THE MOSQUITOES OF NORTH AND CENTRAL AMERICA AND THE WEST INDIES

BY
LELAND O. HOWARD, HARRISON G. DYAR,
AND FREDERICK KNAB

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PLATES

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PLATE 139. Mental Plates of Larvæ: (547) Sabethinus undosus. (548) Limatus durhamii. (549) Wyeomyia trinidadensis. (550) Wyeomyia sororcula. (551) Wyeomyia aporonoma. (552) Wyeomyia mitchellii. (553) Wyeomyia smithii. (554) Wyeomyia autocratica. (555) Wyeomyia pseudopecten. (556) Wyeomyia bromeliarum. (557) Wyeomyia telestica. (558) Wyeomyia hemisagnosta. (559) Lesticocampa rapax. (560) Joblotia digitatus. (561) Lutzia bigoti. (562) Culex tarsalis. (563) Culex corniger. (564) Culex dyari.

PLATE 140. Mental Plates of Larvæ: (565) Culex mortificator. (566) Culex carmodyæ. (567) Culex habilitator. (568) Culex declarator. (569) Culex inquisitor. (570) Culex proclamator. (571) Culex coronator. (572) Culex derivator. (573) Culex territans. (574) Culex bahamensis. (575) Culex simulator. (576) Culex bisulcatus. (577) Culex conservator. (578) Culex melanurus. (579) Culex extricator. (580) Culex restuans. (581) Culex barbarus. (582) Culex similis.

PLATE 141. Mental Plates of Larvæ: (583) Culex quinquefasciatus. (584) Culex pipiens. (585) Culex factor. (586) Culex salinarius. (587) Culex investigator. (588) Culex erraticus. (589) Culex agitator. (590) Culex caudelli. (591) Culex conspirator. (592) Culex carcinophilus. (593) Culex elevator. (594) Culex interrogator. (595) Culex mutator. (596) Culex restrictor. (597) Culex decorator. (598) Culex imitator. (599) Culex rejector. (600) Culex pleuristriatus. (601) Culex gravitator. (602) Culex inimitabilis. (603) Carrollia urichii. (604) Culiseta incidens. (605) Culiseta inornatus. (606) Psorophora ciliata.

PLATE 142. Mental Plates of Larvæ: (607) Psorophora howardii. (608) Psorophora sayi. (609) Psorophora discrucians. (610) Psorophora signipennis. (611) Psorophora discolor. (612) Psorophora columbiæ. (613) Psorophora infine. (614) Psorophora indoctum. (615) Psorophora insularius. (616) Aëdes bimaculatus. (617) Aëdes curriei. (618) Aëdes atropalpus. (619) Aëdes varipalpus. (620) Aëdes canadensis. (621) Aëdes sollicitans. (622) Aëdes mitchellæ. (623) Aëdes tæniorhynchus. (624) Aëdes stimulans. (625) Aëdes fitchii. (626) Aëdes abfitchii. (627) Aëdes sylvestris.

PLATE 143. Mental Plates of Larvæ: (628) Aëdes cantator. (629) Aëdes fuscus. (630) Aëdes lazarensis. (631) Aëdes pullatus. (632) Aëdes hirsuteron. (633) Aëdes auroides. (634) Aëdes trichurus. (635) Aëdes triseriatus. (636) Aëdes aurifer. (637) Aëdes trivittatus. (638) Aëdes dupreei. (639) Aëdes euplocamus. (640) Aëdes serratus. (641) Aëdes atlanticus. (642) Aëdes bracteatus. (643) Aëdes podographicus. (644) Aëdes oswaldi. (645) Aëdes mediovittata. (646) Aëdes calopus.

PLATE 144. Mental Plates of Larvæ: (647) Aëdes knabi. (648) Aëdes walkeri. (649) Aëdes albonotata. (650) Aëdes busckii. (651) Stegoconops lucifer. (652) Stegoconops equinus. (653) Bancroftia fascipes. (654) Bancroftia signifer. (655) Uranotænia geometrica. (656) Uranotænia coatzacoalcos. (657) Megarhinus septentrionalis. (658) The same, second plate. (659) The same, third plate. (660) Anopheles grabhamii. (661) Anopheles eiseni. (662) Anopheles pseudopunctipennis. (663) Anopheles crucians. (664) Anopheles punctipennis. (665) Anopheles quadrimaculatus. (666) Cœlodiazesis barberi.

PLATE 145. Eggs: (667) Aëdes atropalpus. (668) Aëdes calopus. (669) Bancroftia signifer.

PLATE 146. Eggs: (670) Psorophora ciliata. (671) Psorophora howardii. (672) Psorophora columbiæ. (673) Psorophora horridus. (674) Psorophora discolor. (675) Psorophora sayi. (676) Aëdes triseriatus. (677) Aëdes sylvestris. (678) Aëdes tæniorhynchus. (679) Aëdes sollicitans. (680) Aëdes infirmatus. (681) Aëdes tormentor. (682) Aëdes canadensis.

PLATE 147. Eggs: (683) Aëdes grossbecki. (684) Aëdes calopus. (685) Mansonia perturbans. (686) Culex pipiens. (687) Culex salinarius. (688) Culex territans. (689) Culex erraticus. (690) Culex restuans. (691) Culiseta inornatus. (692) The same, single egg. (693) Anopheles punctipennis, dorsal view. (694) The same, ventral view. (695) Anopheles quadrimaculatus, ventral view. (696) Anopheles crucians, ventral view.

PLATE 148. Pupæ: (697) Wyeomyia smithii. (698) Culex territans. (699) Wyeomyia circumcincta. (700) Culex restuans. (701) Culex pipiens. (702) Aëdes sylvestris.

PLATE 149. Pupæ: (703) Aëdes fuscus. (704) Psorophora ciliata. (705) Psorophora sayi. (706) Psorophora columbiæ. (707) Bancroftia signifer. (708) Aëdes triseriatus.

PLATE 150. Pupæ: (709) Anopheles punctipennis. (710) Aëdes mediovittata. (711) Uranotænia sapphirinus. (712) Aëdes atropalpus. (713) Aëdes calopus.

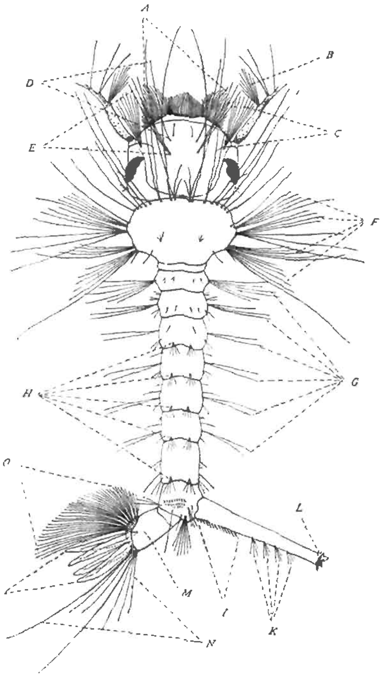
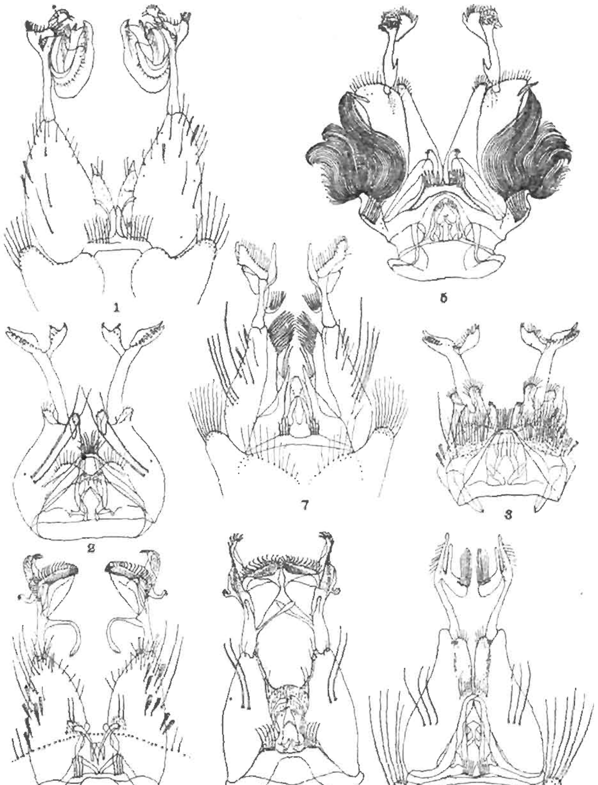


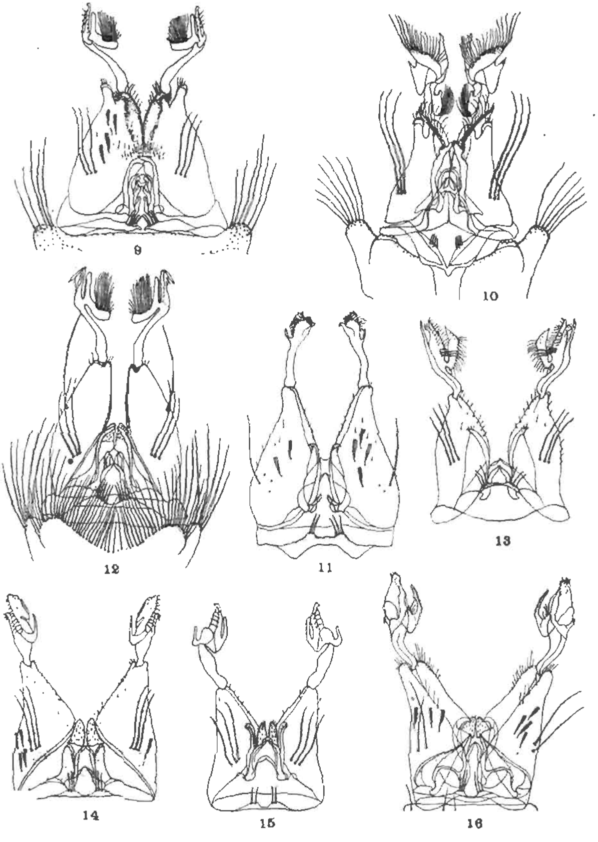
DIAGRAM OF CULICID LARVA.

A. Mouth brushes.
B. Tuft of antenna.
C. Ante-antennal tuft.
D. Lower frontal tuft.
E. Upper frontal tuft.
F. Thoracic hair tufts.
G. Abdominal lateral tufts.
H. Abdominal subdorsal tufts.
I. Pecten of air-tube.
K. Hair tufts of air-tube.
L. Apical spine of air-tube.
M. Anal segment.
N. Subdorsal tufts of anal segment.
O. Ventral brush.
P. Anal gills.



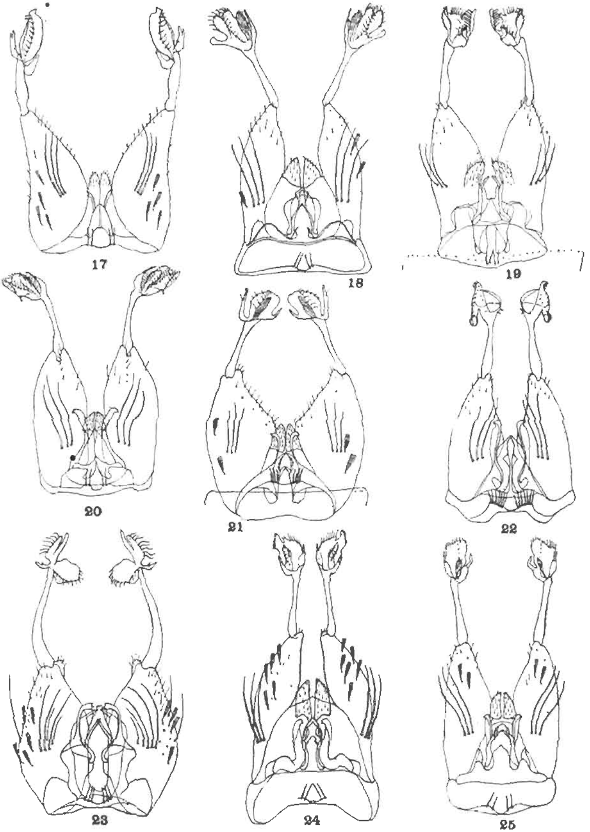
MALE GENITALIA.

1. Sabethes cyaneus *Fabricius.*
2. Limatus cacophrades *Dyar & Knab.*
3. Limatus durhamii *Theobald.*
4. Sabethinus undosus *Coquillett.*
5. Limatus methysticus *Dyar & Knab.*
6. Sabethinus identicus *Dyar & Knab.*
7. Wyeomyia symmachus *Dyar & Knab.*
8. Wyeomyia drapetes *Dyar & Knab.*



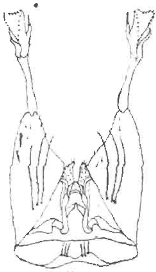
MALE GENITALIA.

9. Wyeomyia espartana *Dyar & Knab.*
10. Wyeomyia codiocampa *Dyar & Knab.*
11. Wyeomyia pandora *Dyar & Knab.*
12. Wyeomyia bromeliarum *Dyar & Knab.*
13. Wyeomyia vanduzeei *Dyar & Knab.*
14. Wyeomyia chrysomus *Dyar & Knab.*
15. Wyeomyia philophone *Dyar & Knab.*
16. Wyeomyia smithii *Coquillett.*



MALE GENITALIA.

17. Wyeomyia matæa *Dyar & Knab.*
18. Wyeomyia antoinetta *Dyar & Knab.*
19. Wyeomyia abascanta *Dyar & Knab.*
20. Wyeomyia mitchellii *Theobald.*
21. Wyeomyia ablabes *Dyar & Knab.*
22. Wyeomyia abebela *Dyar & Knab.*
23. Wyeomyia galoa *Dyar & Knab.*
24. Wyeomyia telestica *Dyar & Knab.*
25. Wyeomyia chresta *Dyar & Knab.*



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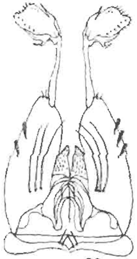

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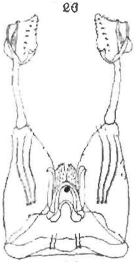

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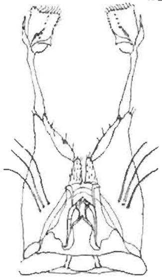

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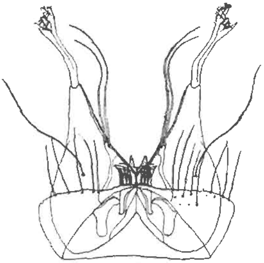

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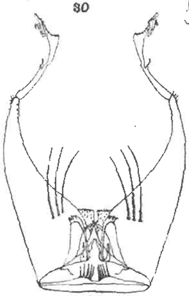

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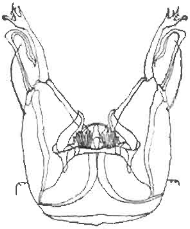

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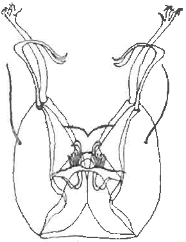

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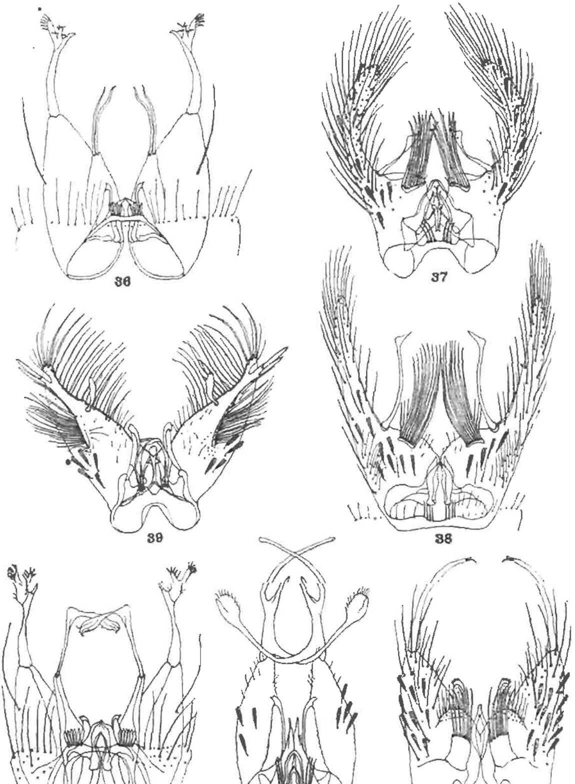
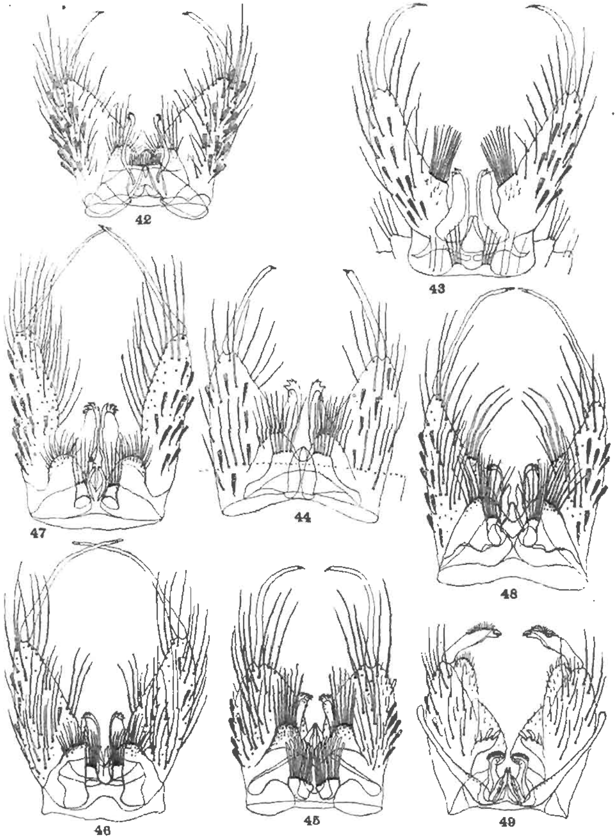
MALE GENITALIA.

26. Wyeomyia abrachys *Dyar & Knab.*
27. Wyeomyia chalcocephala *Dyar & Knab.*
28. Wyeomyia simmsi *Dyar & Knab.*
29. Wyeomyia leucopisthepus *Dyar & Knab.*
30. Wyeomyia scotinomus *Dyar & Knab.*
31. Wyeomyia aporonoma *Dyar & Knab.*
32. Wyeomyia *pseudopecten Dyar & Knab.*
33. Wyeomyia onidus *Dyar & Knab.*
34. Wyeomyia *pantoia Dyar & Knab.*



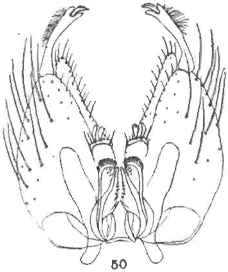
MALE GENITALIA.

35. Wyeomyia cacodela *Dyar & Knab.*
36. Wyeomyia eloisa *Howard, Dyar & Knab*
37. Wyeomyia circumcincta *Dyar & Knab.*
38. Wyeomyia cœnonus *Dyar & Knab.*
39. Wyeomyia autocratica *Dyar & Knab.*
40. Wyeomyia trinidadensis *Theobald.*
41. Joblotia trichorryes *Dyar & Knab.*



MALE GENITALIA.

42. Joblotia digitatus *Rondani.*
43. Lesticocampa dicellaphora *Howard, Dyar & Knab.*
44. Lesticocampa lampropus *Dyar & Knab.*
45. Lesticocampa rapax *Dyar & Knab.*
46. Lesticocampa longipes *Fabricius.*
47. Lesticocampa leucopus *Dyar & Knab.*
48. Lesticocampa culicivora *Dyar & Knab.*
49. Dinanamesus spanius *Dyar & Knab.*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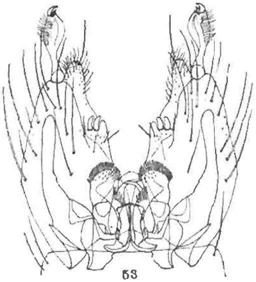
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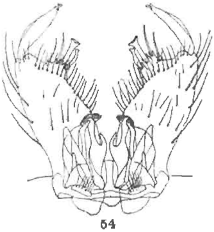
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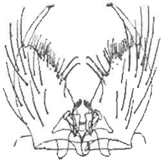
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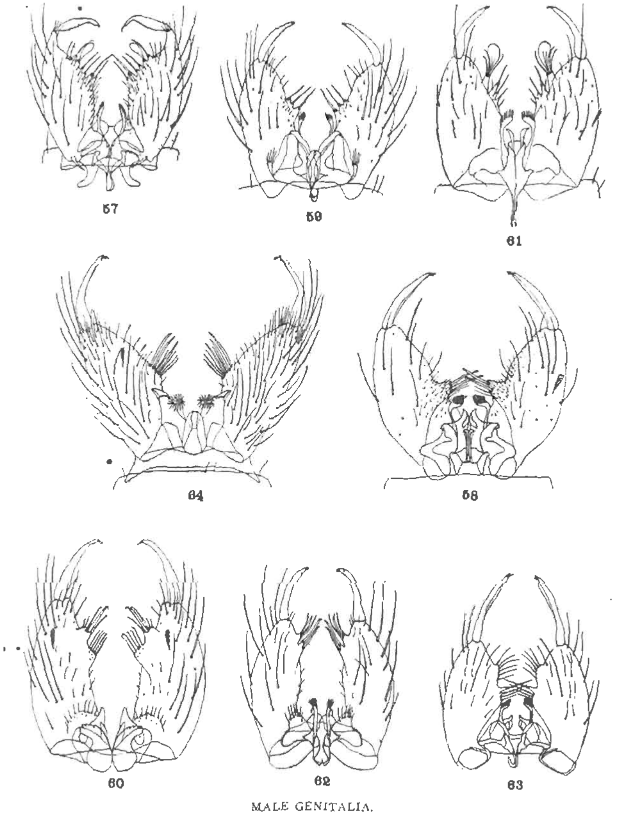
MALE GENITALIA.

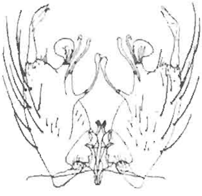
50. Deinocerites troglodytus *Dyar & Knab*.
51. Deinocerites pseudes *Dyar & Knab*.
52. Deinocerites cancer *Theobald*.
53. Dinomimetes epitedeus *Knab*.
54. Culex latisquama *Coquillett*.
55. Culex bisulcatus *Coquillett*.
56. Culex imitator *Theobald*.



MALE GENITALIA.

57. Culex inimitabilis *Dyar & Knab.*
58. Culex rejector *Dyar & Knab.*
59. Culex ocellatus *Theobald.*
60. Culex duplicator *Dyar & Knab.*
61. Culex agitator *Dyar & Knab.*
62. Culex consternator *Dyar & Knab.*
63. Culex daumastocampa *Dyar & Knab.*
64. Lutzia bigoti *Bellardi.*

65



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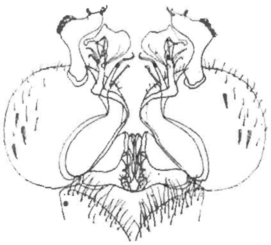

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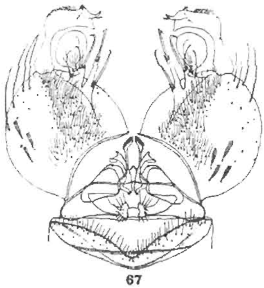

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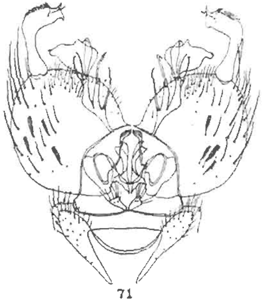

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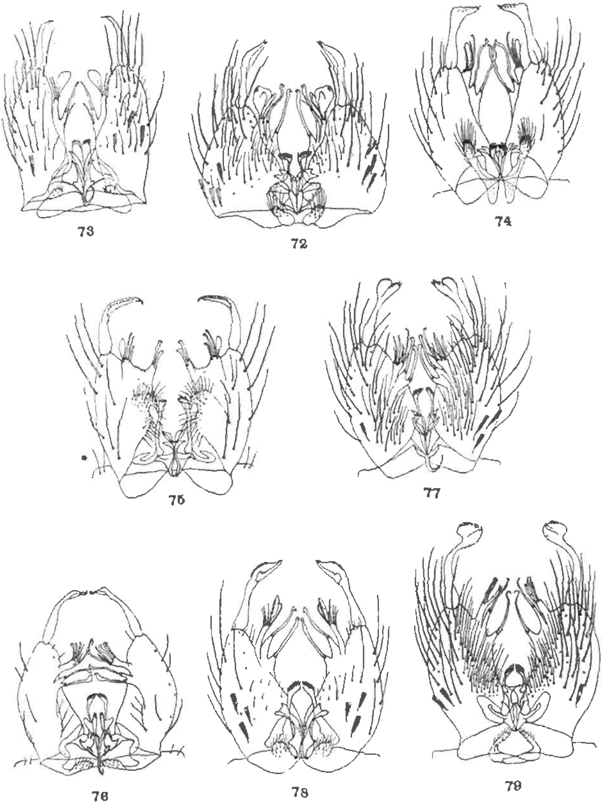
MALE GENITALIA.

65. Carollia urichii *Coquillett.*
66. Carrollia iridescens *Lutz.*
67. Culex peccator *Dyar & Knab.*
68. Culex mutator *Dyar & Knab.*
69. Culex abominator *Dyar & Knab.*
70. Culex conspirator *Dyar & Knab.*
71. Culex incriminator *Dyar & Knab.*



MALE GENITALIA.

72. Culex trachycampa *Dyar & Knab.*
73. Culex falsificator *Dyar & Knab.*
74. Culex caudelli *Dyar & Knab.*
75. Culex conservator *Dyar & Knab.*
76. Culex elevator *Dyar & Knab.*
77. Culex reductor *Dyar & Knab.*
78. Culex chrysonotum *Dyar & Knab.*
79. Culex hesitator *Dyar & Knab.*

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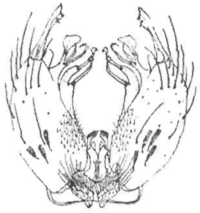
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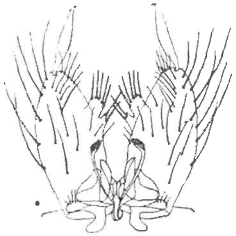
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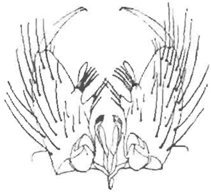
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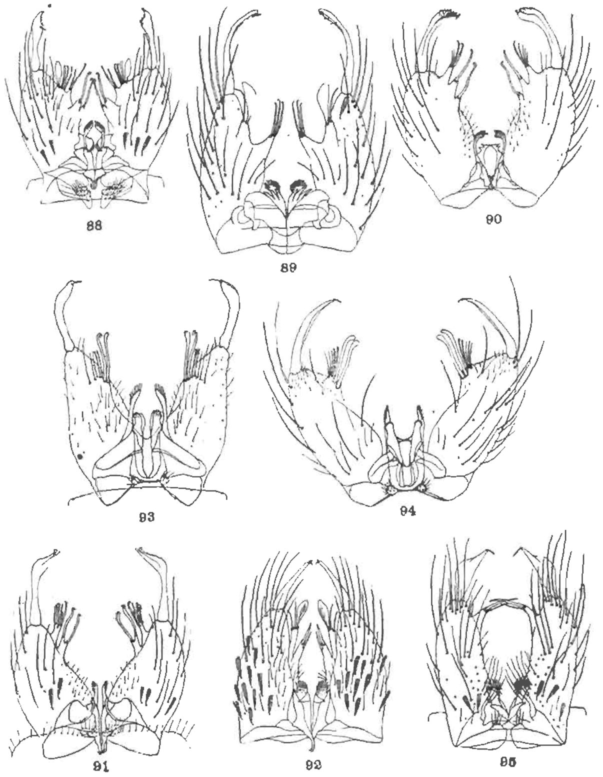
MALE GENITALIA

80. Culex pilosus *Dyar & Knab.*
81. Culex invocator *Pazos.*
82. Culex deceptor *Dyar & Knab.*
83. Culex inhibitator *Dyar & Knab.*
84. Culex leprincei *Dyar & Knab.*
85. Culex carcinophilus *Dyar & Knab.*
86. *Culex pleuristriatus Theobald.*
87. Culex consolator *Dyar & Knab.*



MALE GENITALIA.

88. Culex bastagarius *Dyar & Knab.*
89. Culex extricator *Dyar & Knab.*
90. Culex mastigia *Howard, Dyar & Knab.*
91. Culex apeteticus *Howard, Dyar & Knab.*
92. Culex atratus *Theobald.*
93. Culex derivator *Dyar & Knab.*
94. Culex territans *Walker*
95. Culex eremita *Howard, Dyar & Knab.*

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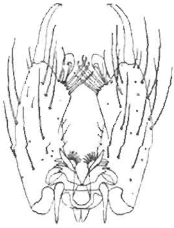

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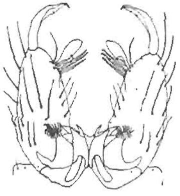

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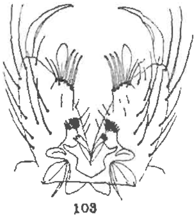

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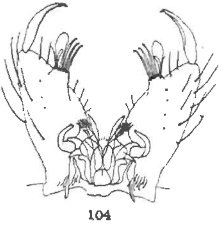

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MALE GENITALIA.

96. Culex habilitator *Dyar & Knab.*
97. Culex stenolepis *Dyar & Knab.*
98. Culex pinarocampa *Dyar & Knab.*
99. Culex dictator *Dyar & Knab.*
100. Culex jubilator *Dyar & Knab.*
101. Culex elocutilis *Dyar & Knab.*
102. Culex reflector *Dyar & Knab.*
103. Culex secutor *Theobald.*
104. Culex vindicator *Dyar & Knab.*

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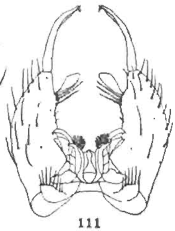

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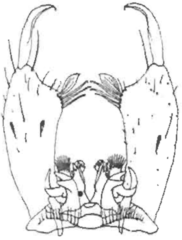

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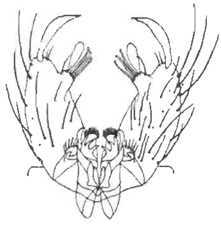

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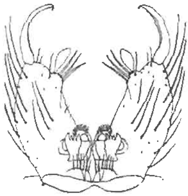

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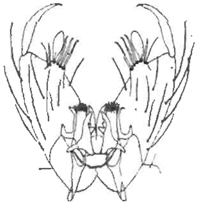

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MALE GENITALIA.

105. Culex factor *Dyar & Knab.*
106. Culex equivocator *Dyar & Knab.*
107. Culex stigmatosoma *Dyar.*
108. Culex eumimetes *Dyar & Knab.*
109. Culex mollis *Dyar & Knab.*
110. Culex declarator *Dyar & Knab.*
111. Culex revocator *Dyar & Knab.*
112. Culex interrogator *Dyar & Knab.*
113. Culex proclamator *Dyar & Knab.*

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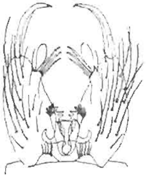

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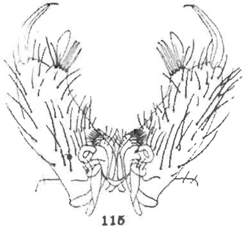

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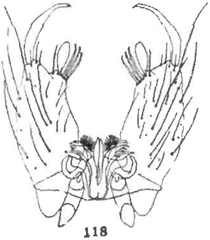

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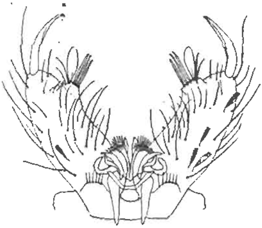
MALE GENITALIA.

114. Culex revelator *Dyar & Knab.*
115. Culex erythrothorax *Dyar.*
116. Culex microsquamosus *Grabham.*
117. Culex toweri *Dyar & Knab.*
118. Culex lamentator *Dyar & Knab.*
119. *Culex* janitor *Theobald.*
120. Culex carmodyæ *Dyar & Knab.*



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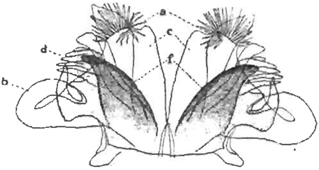

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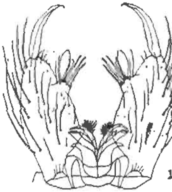

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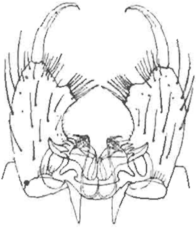

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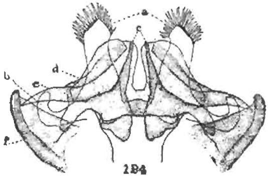

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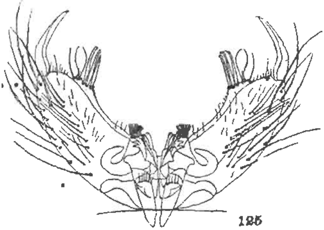

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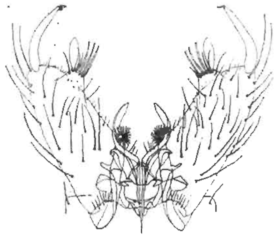
127

MALE GENITALIA.

121. Culex salinarius *Coquillett.*
122. The same, basal parts enlarged.
123. Culex pipiens *Linnæus.*
124. Culex restuans *Theobald*, basal parts enlarged.
125. Culex tarsalis *Coquillett.*
126. Culex coronator *Dyar & Knab.*
127. Culex corniger *Theobald.*



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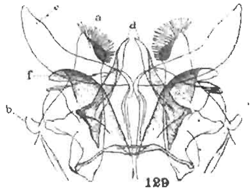

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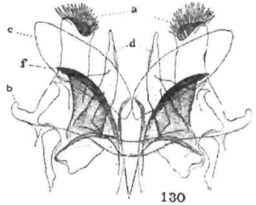

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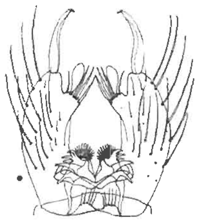

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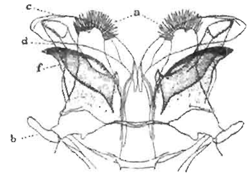

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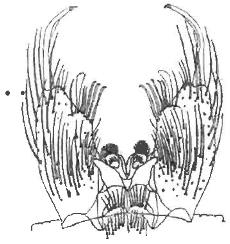

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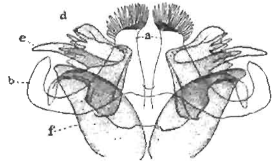
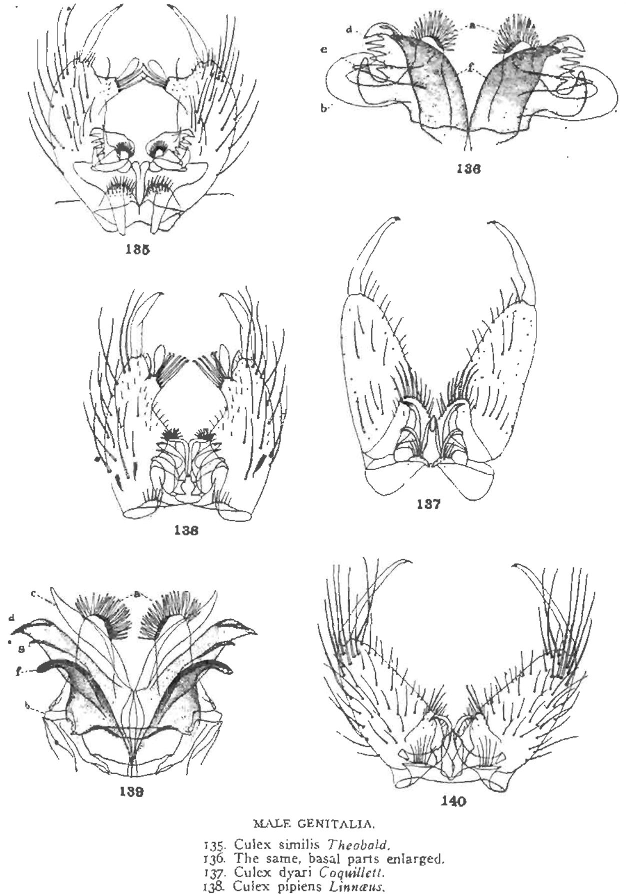


133

MALE GENITALIA.

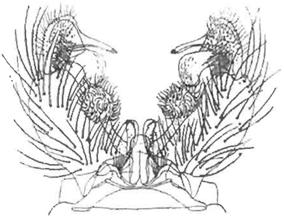
128. Culex quinquefasciatus *Say.*
129. The same, basal parts enlarged.
130. Culex quinquefasciatus dipseticus *Dyar & Knab,* basal parts enlarged.
131. Culex comitatus *Dyar & Knab,* basal parts enlarged.
132. Culex proximus *Dyar & Knab.*
133. The same, basal parts enlarged.
134. Culex sphinx *Howard, Dyar & Knab.*



MALE GENITALIA.

135. Culex similis *Theobald.*
136. The same, basal parts enlarged.
137. Culex dyari *Coquillett.*
138. Culex pipiens *Linnæus.*
139. The same, basal parts enlarged.
140. Culex melanurus *Coquillett.*

141



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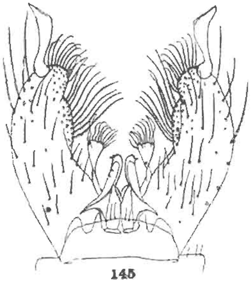

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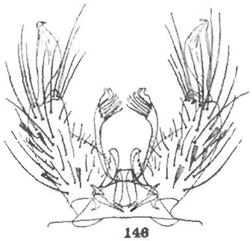

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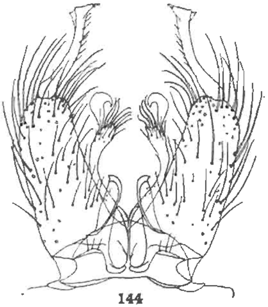

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MALE GENITALIA.

141. Psorophora virescens *Dyar & Knab.*
142. Psorophora howardii *Coquillett.*
143. Psorophora ciliata *Fabricius.*
144. Psorophora cilipes *Fabricius.*
145. Psorophora sæva *Dyar & Knab.*
146. Psorophora sayi *Dyar & Knab.*

147

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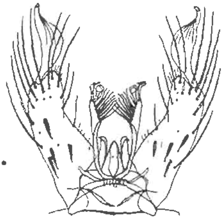

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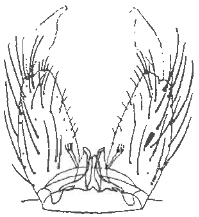

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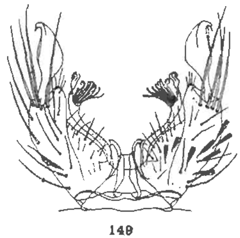

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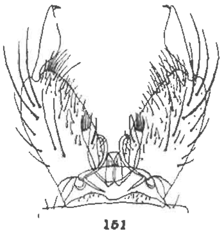

151

MALE GENITALIA.

147. Psorophora horridus *Dyar & Knab.*
148. Psorophora pazosi *Pazos.*
149. Psorophora posticatus *Wiedemann.*
150. Psorophora discolor *Coquillett.*
151. Psorophora pygmæa *Theobald.*
152. Psorophora insularius *Dyar & Knab.*

153

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MALE GENITALIA.

153. Psorophora floridense *Dyar & Knab.*
154. Psorophora jamaicensis *Theobald.*
155. Psorophora toltecum *Dyar & Knab.*
156. Psorophora columbiæ *Dyar & Knab.*
157. Psorophora cingulatus *Fabricius.*
158. Psorophora cyanescens *Coquillett.*

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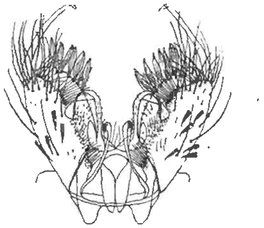

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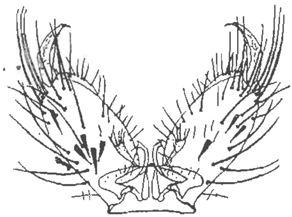

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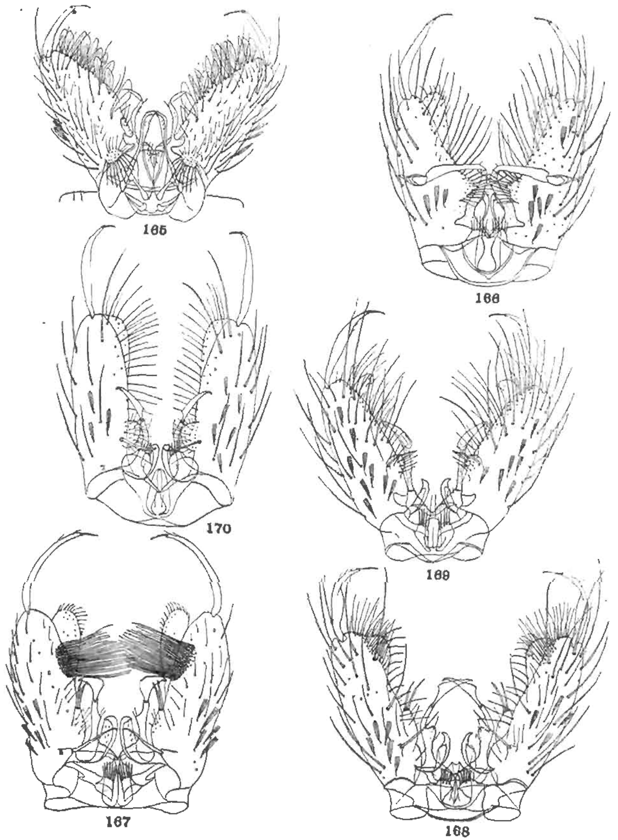
MALE GENITALIA.

159. Psorophora haruspicus *Dyar & Knab.*
160. Psorophora infine *Dyar & Knab.*
161. Psorophora signipennis *Coquillett.*
162. Stegoconops equinus *Theobald.*
163. Stegoconops albomaculatus *Theobald.*
164. Stegoconops lucifer *Howard, Dyar & Knab.*



MALE GENITALIA.

165. Stegoconops capricornii *Lutz.*
166. Aëdes trichurus *Dyar.*
167. Aëdes diantæus *Howard, Dyar & Knab.*
168. Aëdes impiger *Walker.*
169. Aëdes pertinax *Grabham.*
170. Aëdes bimaculatus *Coquillett.*

LIBRARY

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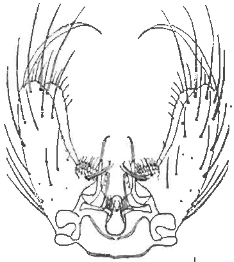

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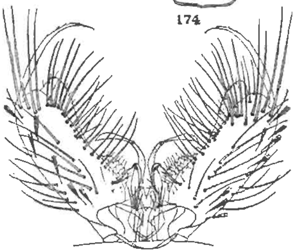

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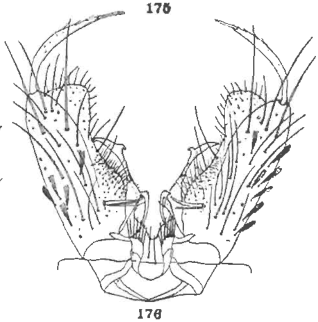

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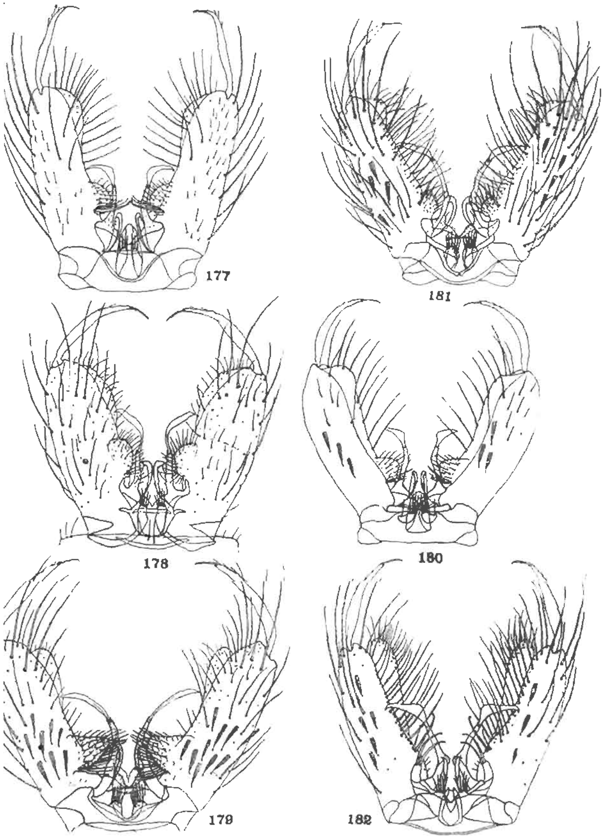
MALE GENITALIA.

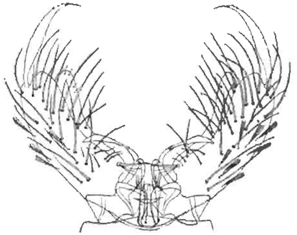
171. Aëdes abfitchii *Felt.*
172. Aëdes abfitchii *Felt.*
173. Aëdes fitchii *Felt & Young.*
174. Aëdes curriei *Coquillett.*
175. Aëdes stimulans *Walker.*
176. Aëdes fletcheri *Coquillett.*



MALE GENITALIA.

177. Aëdes auroides *Felt.*
178. Aëdes campestris *Dyar & Knab.*
179. Aëdes riparius *Dyar & Knab.*
180. Aëdes hirsuteron *Theobald.*
181. Aëdes lazarensis *Felt & Young.*
182. Aëdes pullatus *Coquillett.*

183



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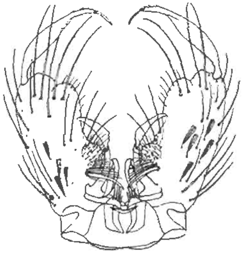

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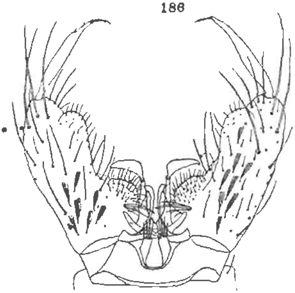

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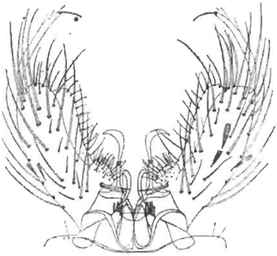
MALE GENITALIA.

183. Aëdes æstivalis *Dyar.*
184. Aëdes cantator *Coquillett.*
185. Aëdes spencerii *Theobald.*
186. Aëdes idahoensis *Theobald.*
187. Aëdes grossbecki *Dyar & Knab.*
188. Aëdes squamiger *Coquillett.*



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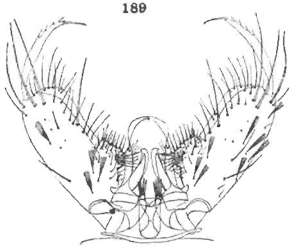

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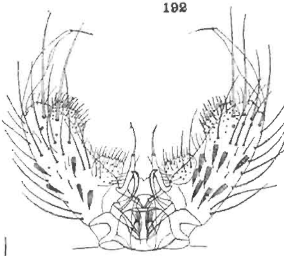

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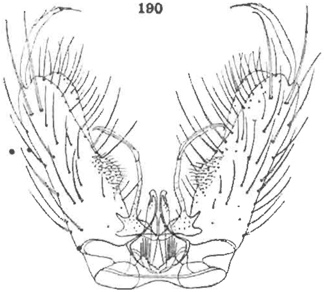

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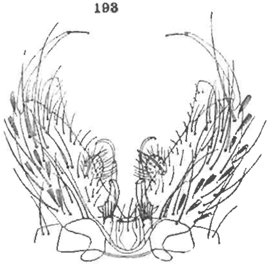
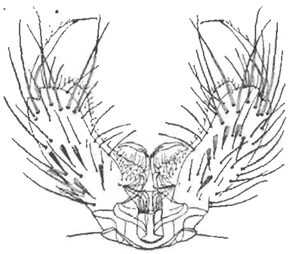


194

MALE GENITALIA.

189. Aëdes curriei *Coquillett.*
190. Aëdes onondagensis quaylei *Dyar & Knab.*
191. Aëdes euedes *Howard, Dyar & Knab.*
192. Aëdes atlanticus *Dyar & Knab.*
193. Aëdes canadensis *Theobald.*
194. Aëdes serratus *Theobald.*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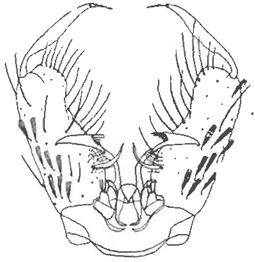
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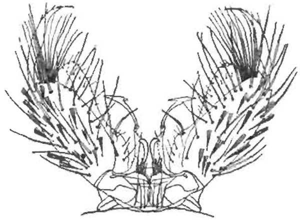
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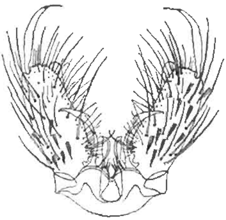
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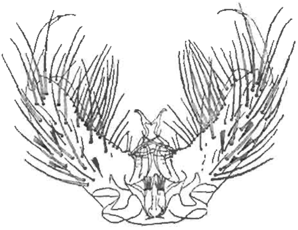
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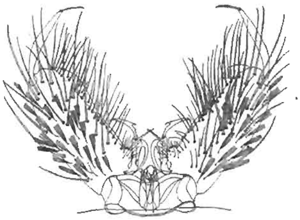
MALE GENITALIA.

195. Aëdes abserratus *Felt & Young.*
196. Aëdes aurifer *Coquillett.*
197. Aëdes tortilis *Theobald.*
198. Aëdes cuneatus *Dyar & Knab.*
199. Aëdes scapularis *Rondani.*
200. Aëdes infirmatus *Dyar & Knab.*

201



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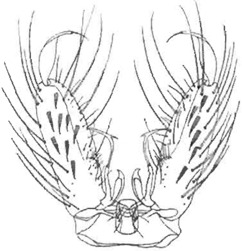

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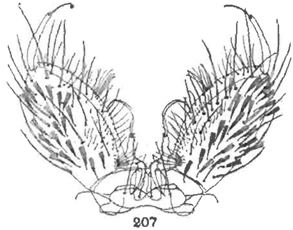
MALE GENITALIA.

201. Aëdes trivittatus *Coquillett.*
202. Aëdes scapularis *Rondani.*
203. Aëdes plutocraticus *Dyar & Knab.*
204. Aëdes niger *Giles.*
205. Aëdes tæniorhynchus *Wiedemann.*
206. Aëdes mediovittata *Coquillett.*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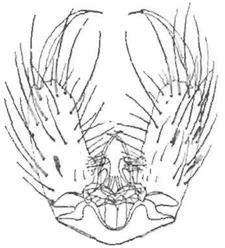
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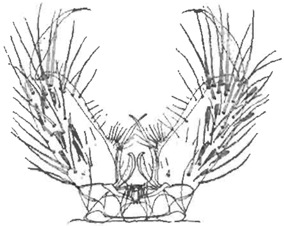
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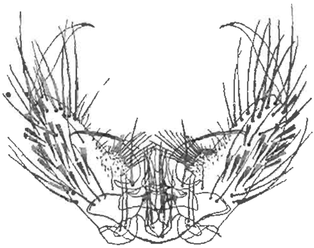
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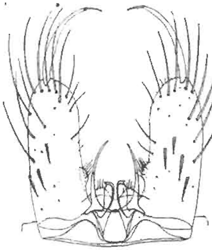
MALE GENITALIA.

207. Aëdes triseriatus *Say.*
208. Aëdes dupreei *Coquillett.*
209. Aëdes varipalpus *Coquillett.*
210. Aëdes atropalpus *Coquillett.*
211. Aëdes sollicitans *Walker.*
212. Aëdes mitchellæ *Dyar.*



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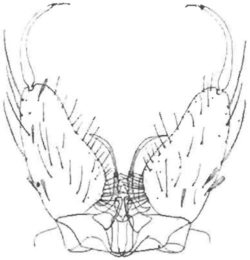

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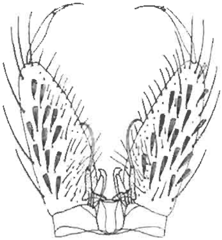

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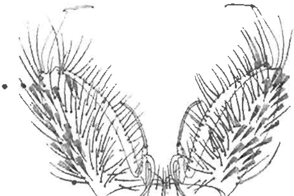

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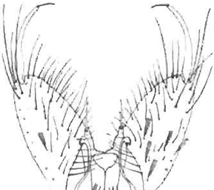

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MALE GENITALIA.

213. Aëdes nigromaculis *Ludlow.*
214. Aëdes epactius *Dyar & Knab.*
215. Aëdes fluviatilis *Lutz.*
216. Aëdes podographicus *Dyar & Knab.*
217. Aëdes thorntoni *Dyar & Knab.*
218. Aëdes aureostriata *Grabham.*

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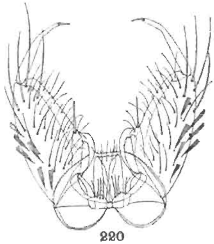

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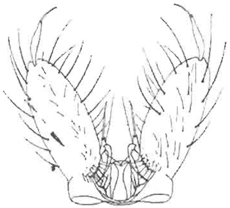

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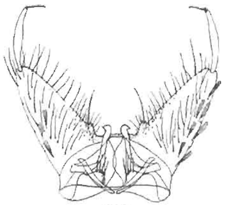

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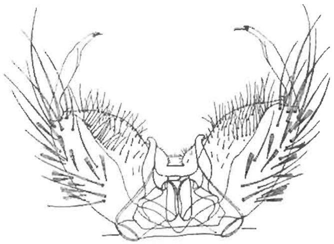

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MALE GENITALIA.

219. Aëdes albonotata *Coquillett.*
220. Aëdes busckii *Coquillett.*
221. Aëdes oswaldi *Lutz.*
222. Aëdes fulvithorax *Lutz.*
223. Aëdes walkeri *Theobald.*
224. Aëdes calopus *Meigen.*

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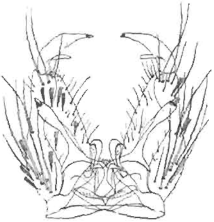
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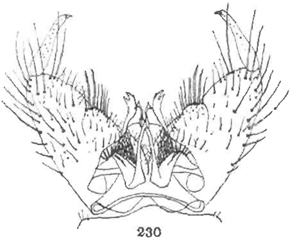
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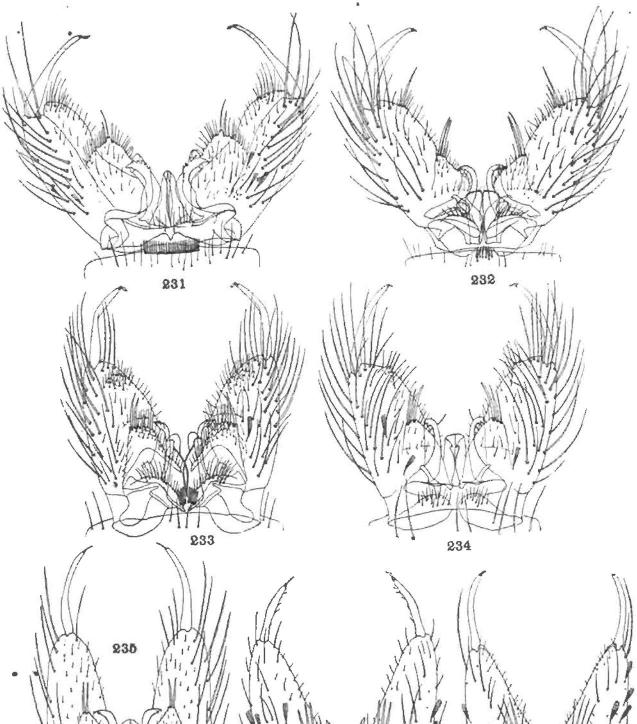
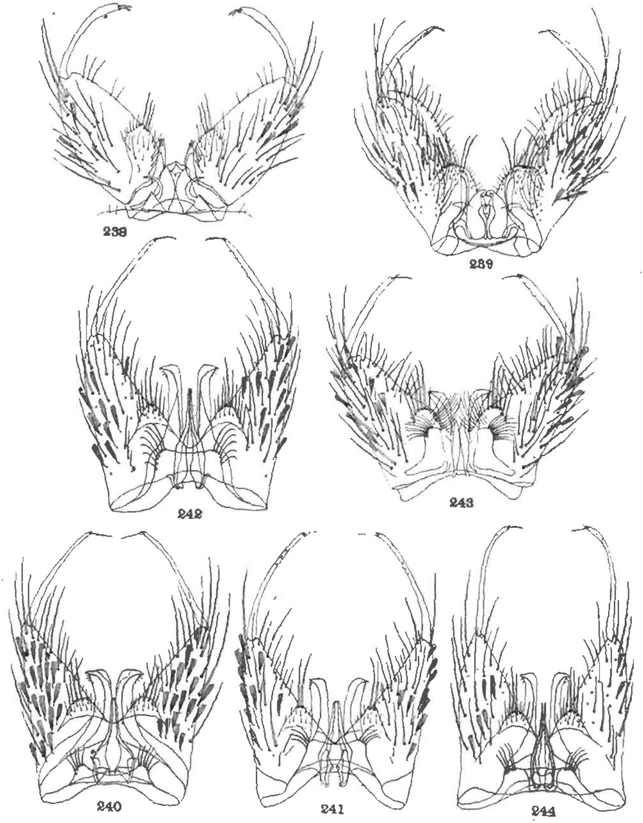
MALE GENITALIA.

225. Aëdes sylvestris *Theobald.*
226. Aëdes fuscus *Osten Sacken.*
227. Mansonia flaveolus *Coquillett.*
228. Mansonia titillans *Walker.*
229. Mansonia perturbans *Walker.*
230. Culiseta inornatus *Williston.*



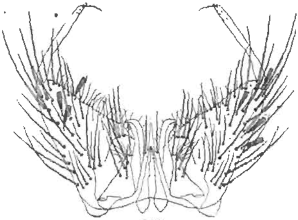
MALE GENITALIA.

231. Culiseta impatiens *Walker*.
232. Culiseta incidens *Thomson*.
233. Culiseta alaskaensis *Ludlow*.
234. Culiseta maccrackenæ *Dyar & Knab*.
235. Culiseta dugesi *Dyar & Knab*.
236. Bancroftia phyllozoa *Dyar & Knab*.
237. Bancroftia waverleyi *Grabham*.



MALE GENITALIA.

238. Bancroftia signifer *Coquillett.*
239. Bancroftia fascipes *Coquillett.*
240. Megarhinus portoricensis *Von Roeder.*
241. Megarhinus hypoptes *Knab.*
242. Megarhinus trinidadensis *Dyar & Knab.*
243. Megarhinus rutila *Coquillett.*
244. Megarhinus guadeloupensis *Dyar & Knab.*



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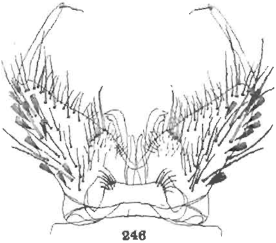

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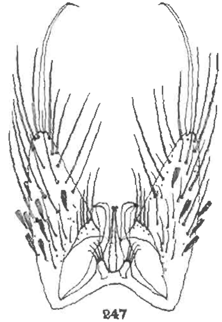

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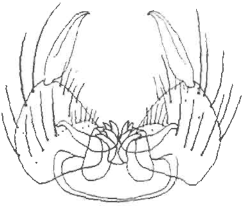

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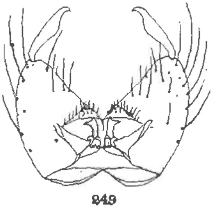

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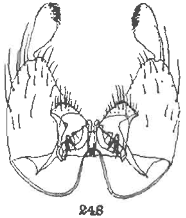

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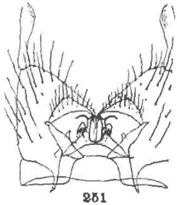
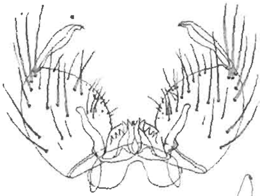


251

MALE GENITALIA.

245. Megarhinus septentrionalis *Dyar & Knab.*
246. Megarhinus moctezuma *Dyar & Knab.*
247. Megarhinus superbus *Dyar & Knab.*
248. Uranotænia lowii *Theobald.*
249. Uranotænia socialis *Theobald.*
250. Uranotænia geometrica *Theobald.*
251. Uranotænia basalis *Howard, Dyar & Knab.*



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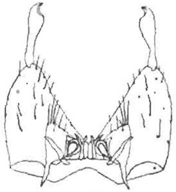

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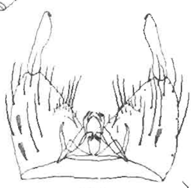

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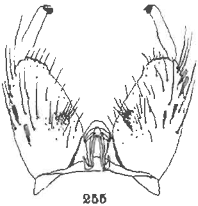

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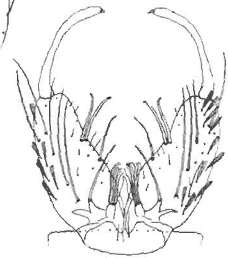
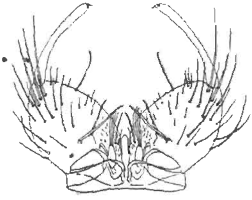


256



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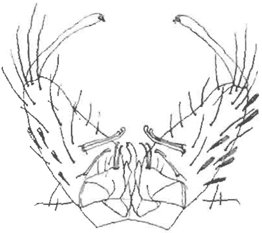
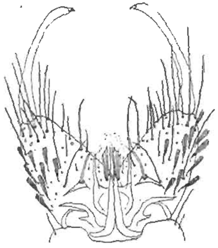


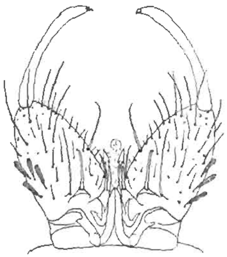
258

MALE GENITALIA.

252. Uranotænia sapphirinus *Osten Sacken.*
253. Uranotænia calosomata *Dyar & Knab.*
254. Uranotænia typhlosomata *Dyar & Knab.*
255. Aëdeomyia squamipennis *Aribálzaga.*
256. Anopheles bellator *Dyar & Knab.*
257. Cœlodiazesis barberi *Coquillett.*
258. Anopheles argyritarsis *Robineau-Desvoidy.*



259



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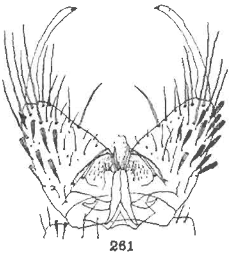

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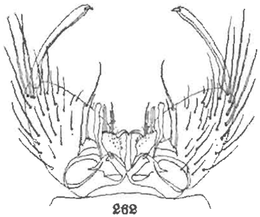
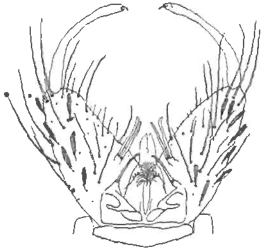


262



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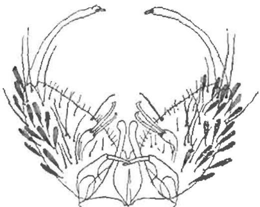
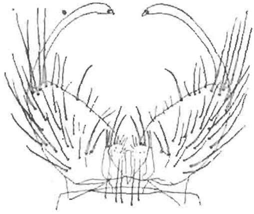


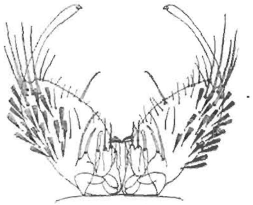
264

MALE GENITALIA.

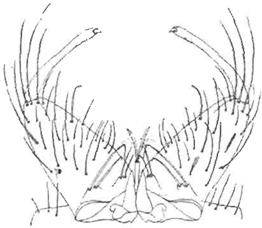
259. Anopheles malefactor *Dyar & Knab.*
260. Anopheles strigimacula *Dyar & Knab.*
261. Anopheles apicimacula *Dyar & Knab.*
262. Anopheles quadrimaculatus *Say.*
263. Anopheles tarsimaculata *Goeldi.*
264. Anopheles albimanus *Wiedemann.*



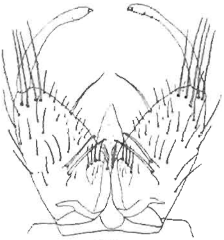
265



266



267



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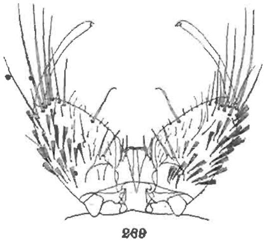

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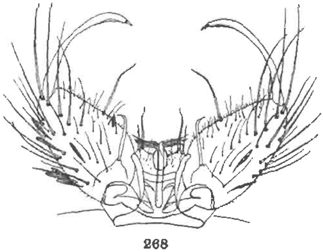
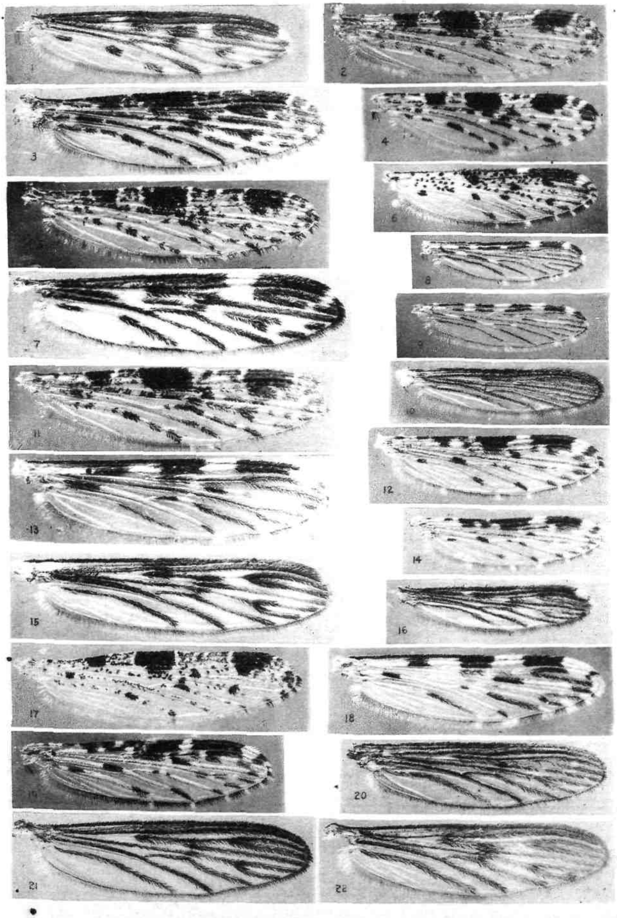


268

MALE GENITALIA.

265. Anopheles pseudopunctipennis *Theobald.*
266. Anopheles grabhamii *Theobald.*
267. Anopheles eiseni *Coquillett.*
268. Anopheles punctipennis *Say.*
269. Anopheles crucians *Wiedemann.*
270. Anopheles occidentalis *Dyar & Knab.*

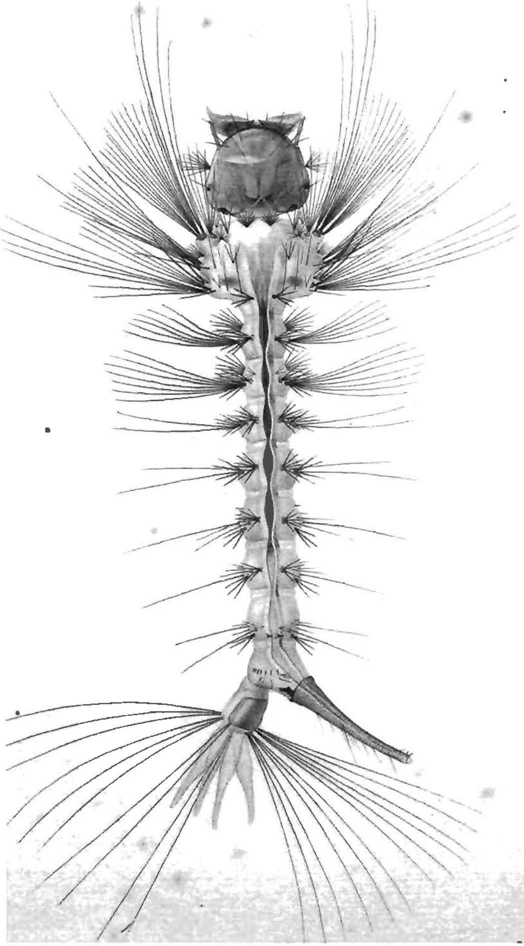


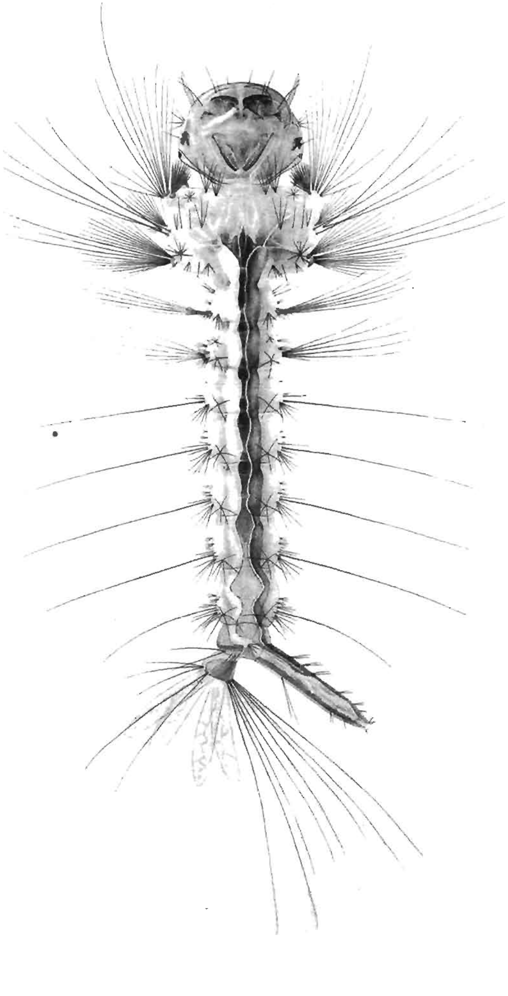
WINGS OF DIFFERENT SPECIES OF ANOPHELINES SHOWN TO THE SAME SCALE.

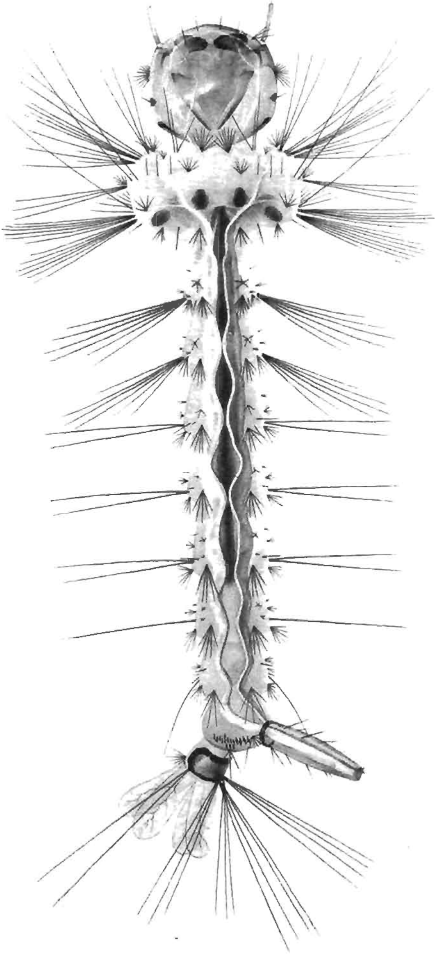
1. Anopheles crucians *Wied.*
2. A. malefactor *D. & K.*
3. A. vestitipennis *D. & K.*
4. A. apicimacula *D. & K.*

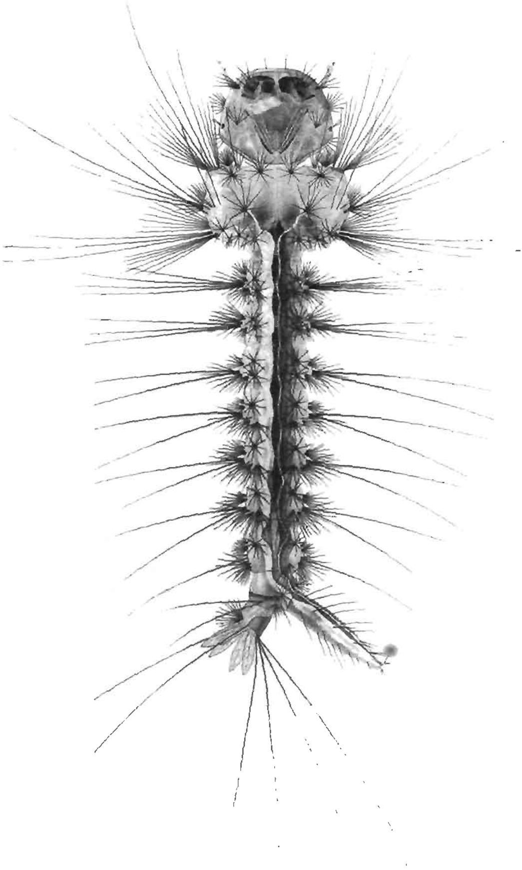
9. A. bellator *D. & K.*
10. Cœlodiazesis barberi *Coq.*
11. A. strigimacula *D. & K.*
12. A. tarsimaculata *Goeldi.*

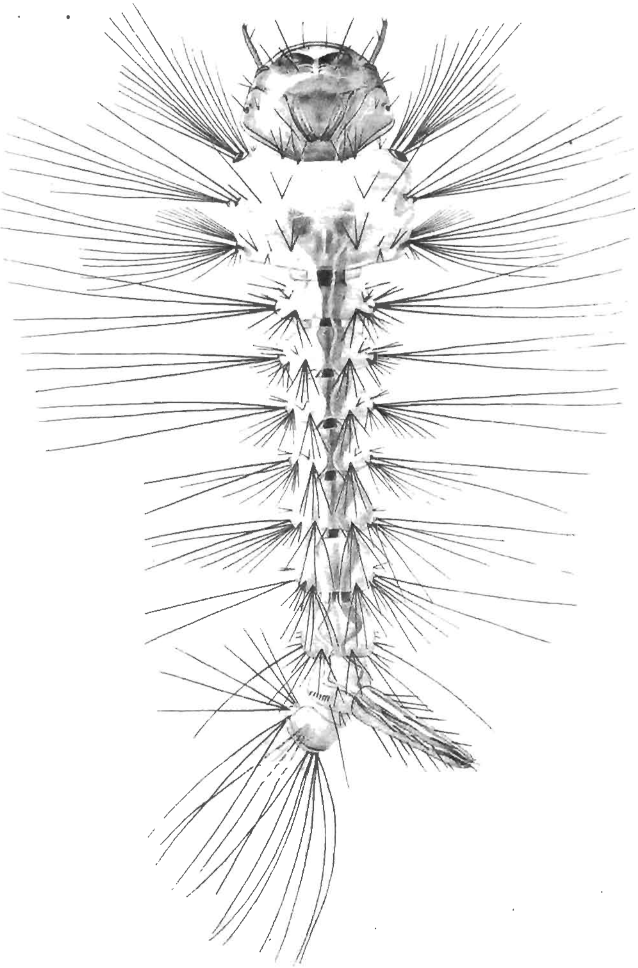
16. A. eiseni *Coq.*
17. A. mediopunctata *Theob.*
18. A. pseudopunctipennis *Theob.*
19. A. argyritarsis *Rob.-Desv.*

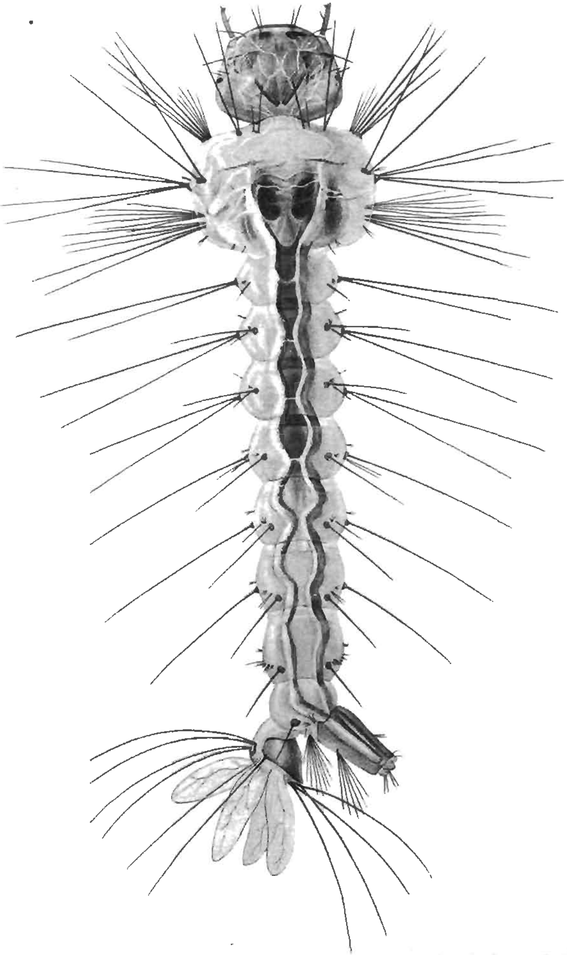




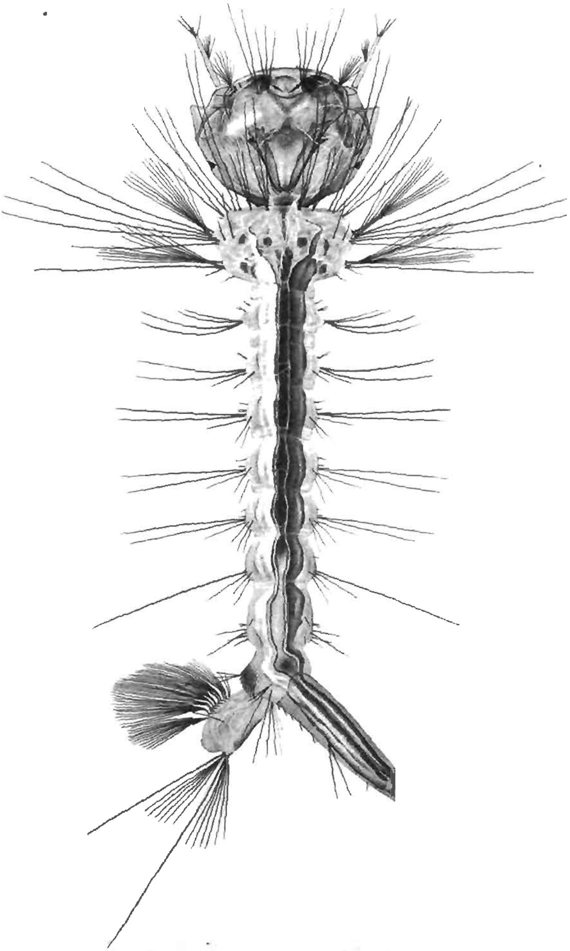




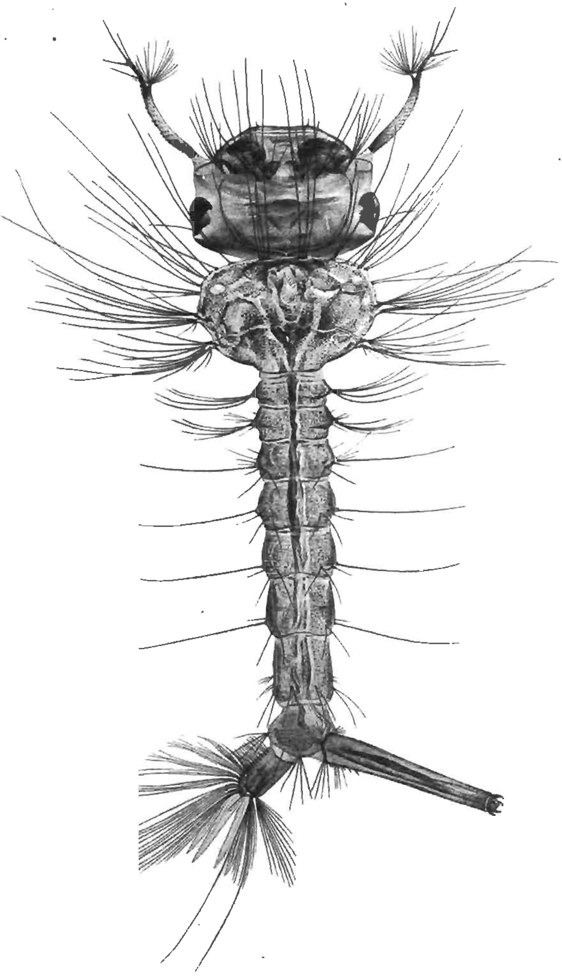




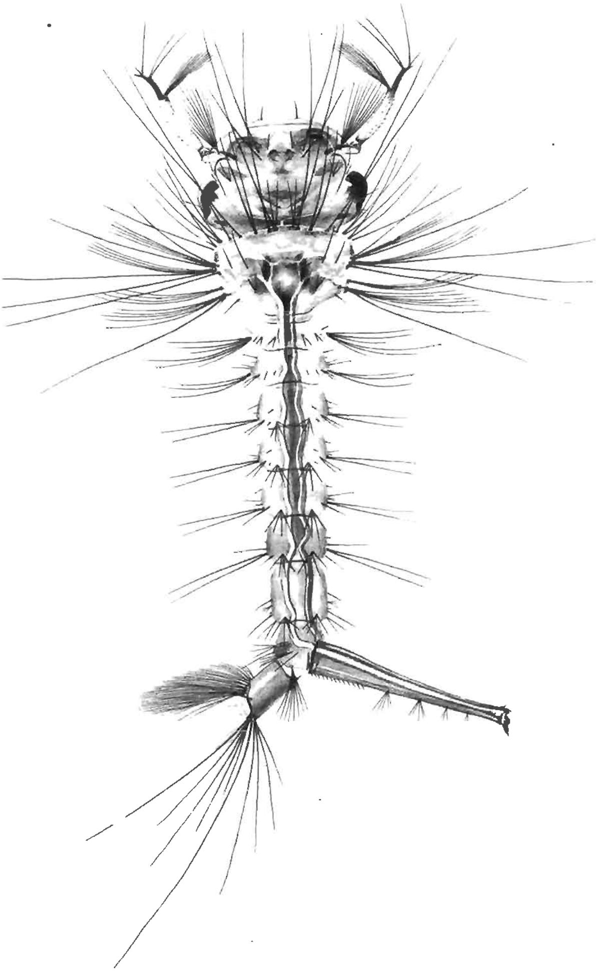
Larva: Joblotia digitatus *Rondani.*



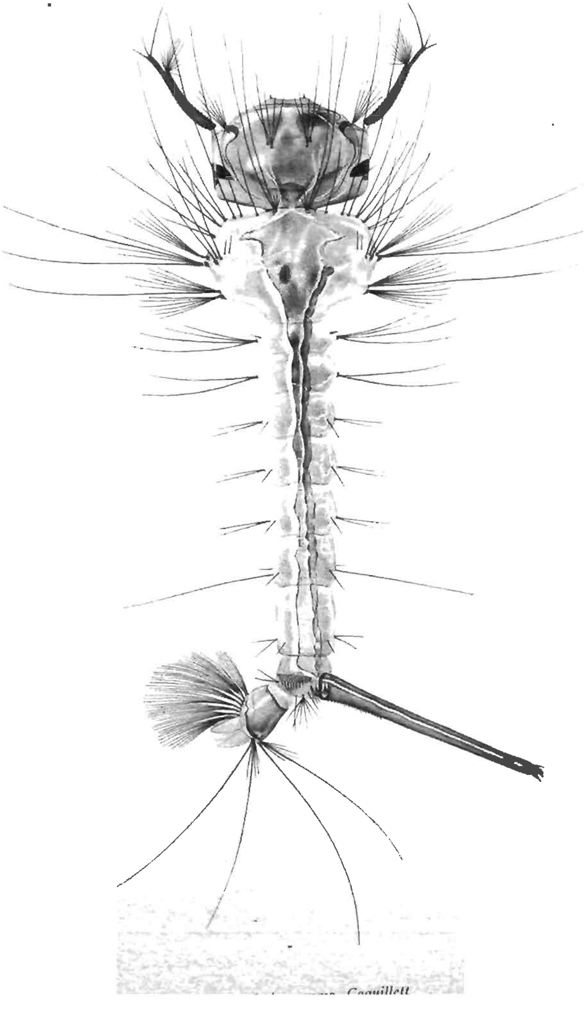
Larva: Deinocerites cancer *Theobald*.



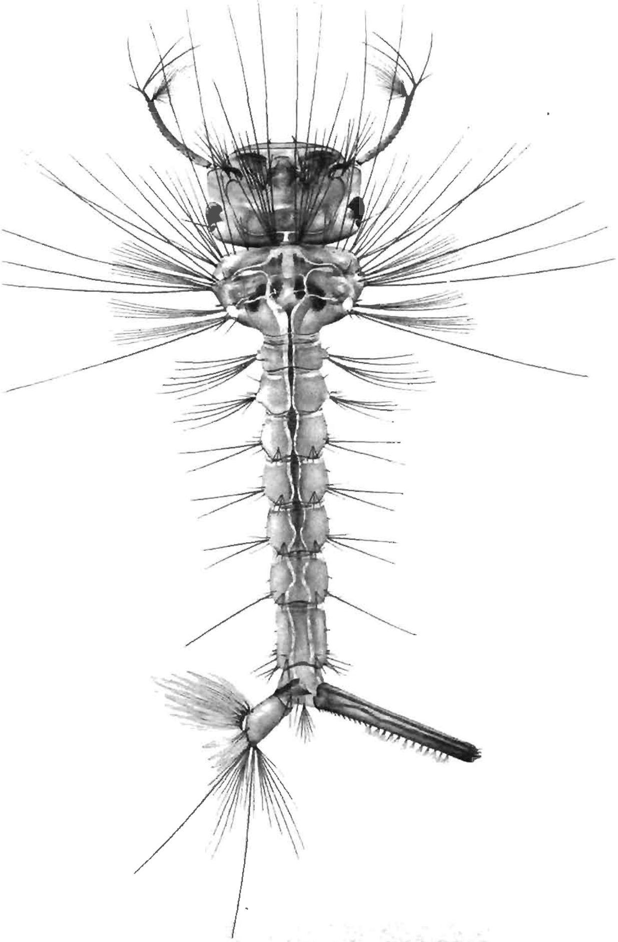
Larva: Culex dyari *Coquillett.*



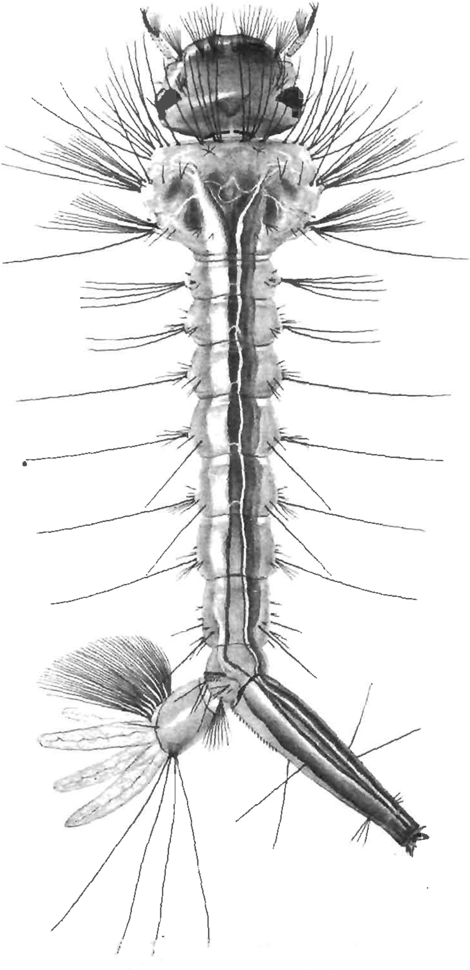
Larva: Culex territans *Walker.*



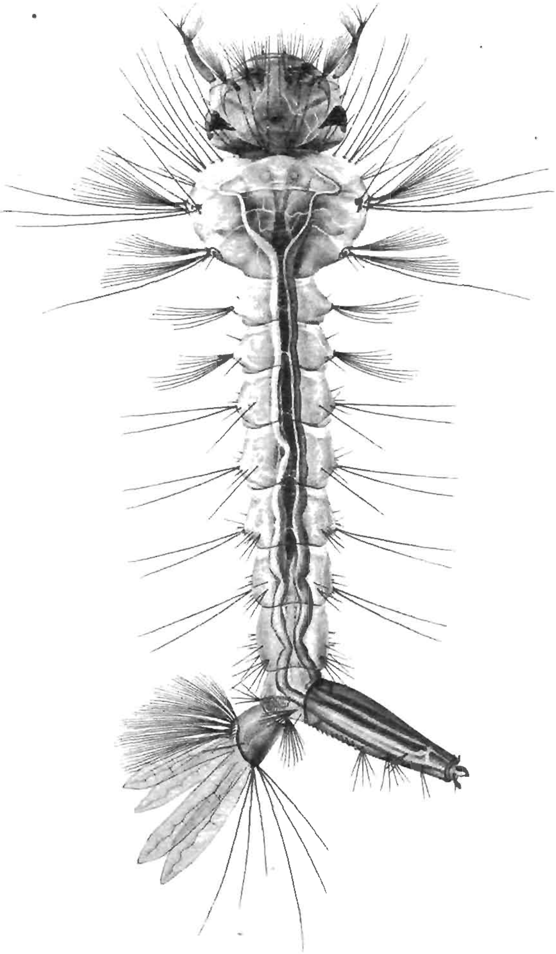
Coquillett



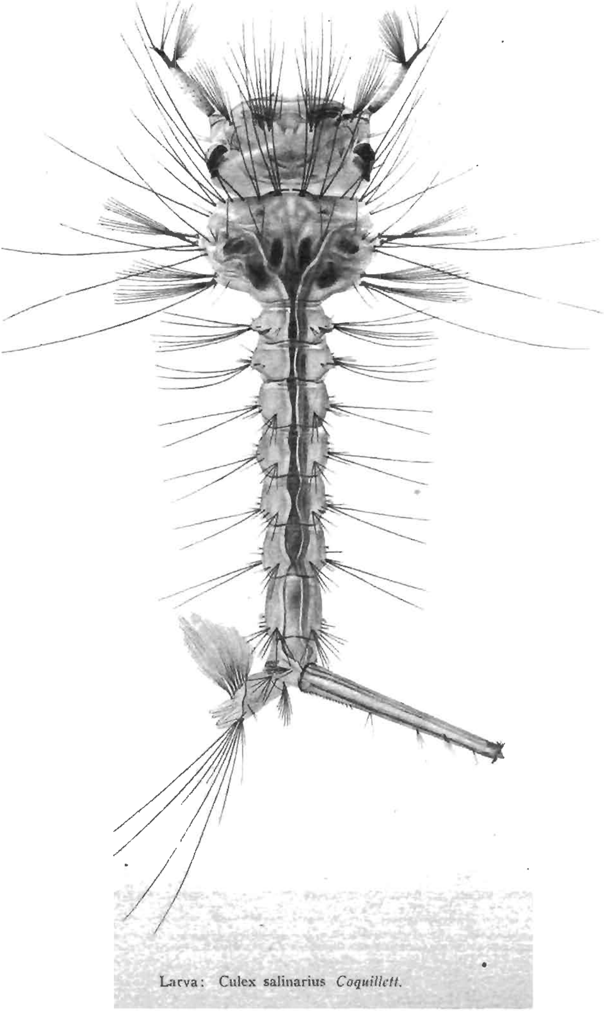
Larva : Culex melanurus Coquillett.



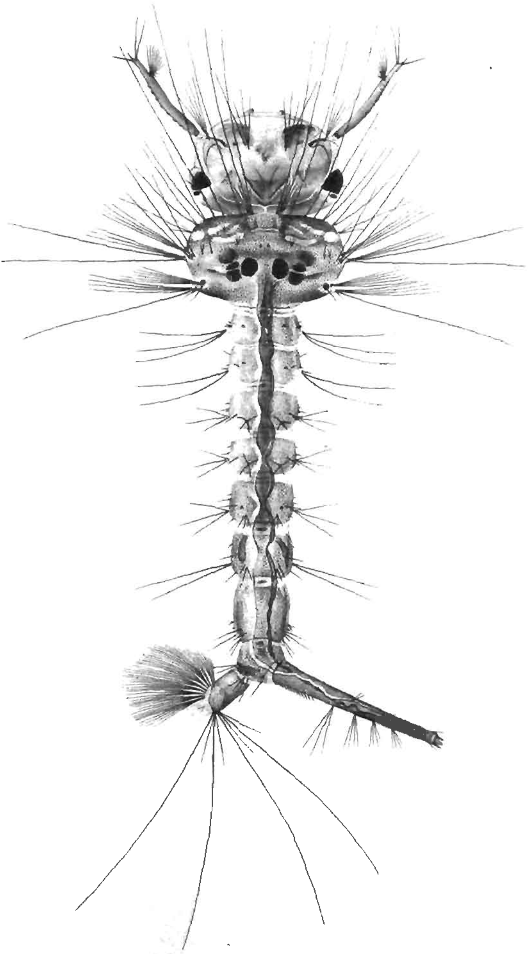
Larva: Culex restuans *Theobald.*



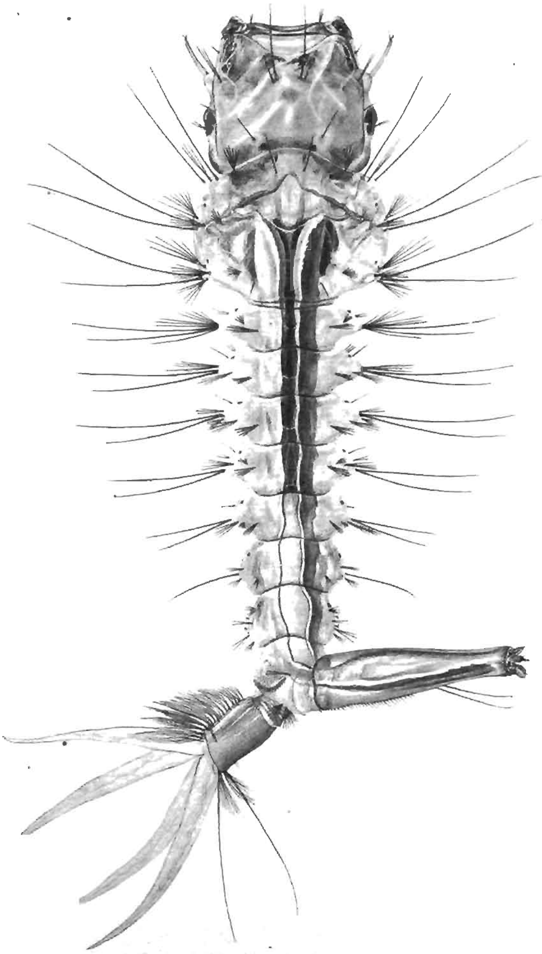
Larva: Culex quinquefasciatus *Say.*



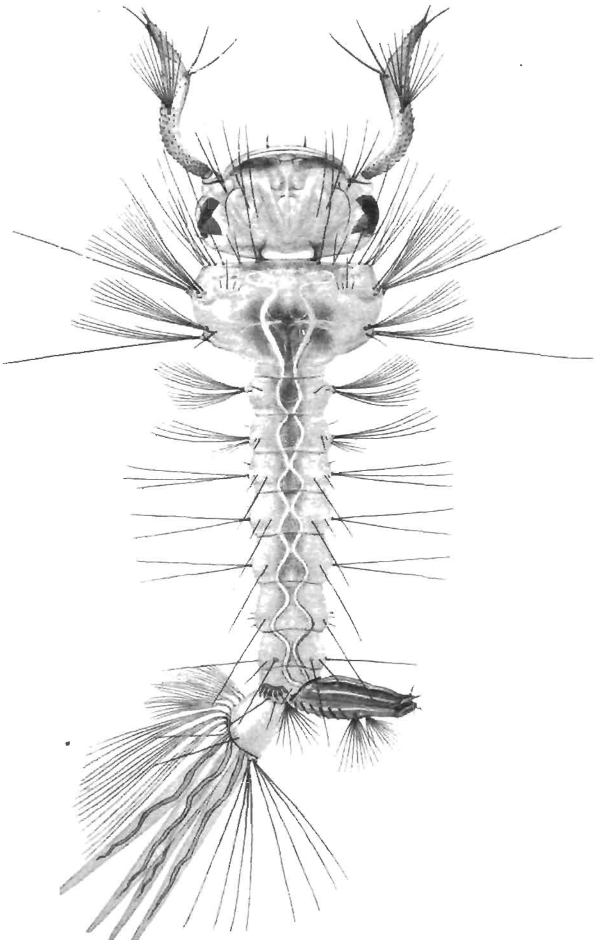
Larva: Culex salinarius *Coquillett.*



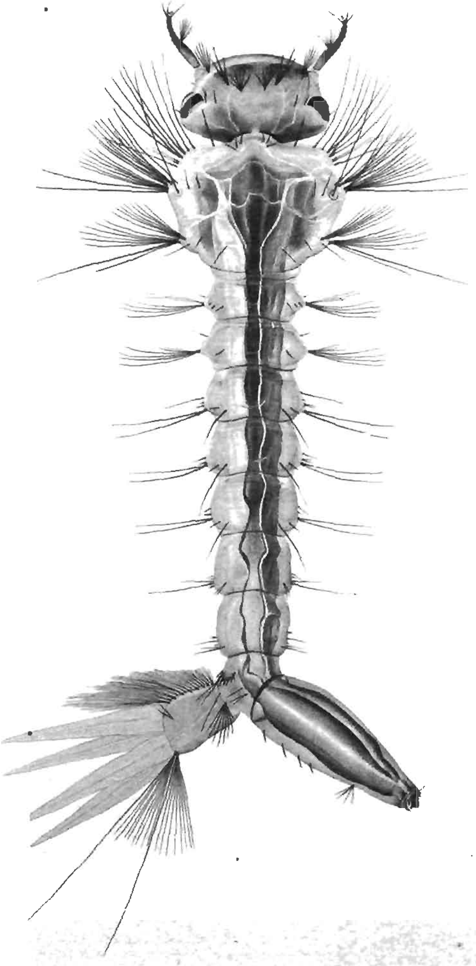
Larva: Culex decorator *Dyar & Knab.*



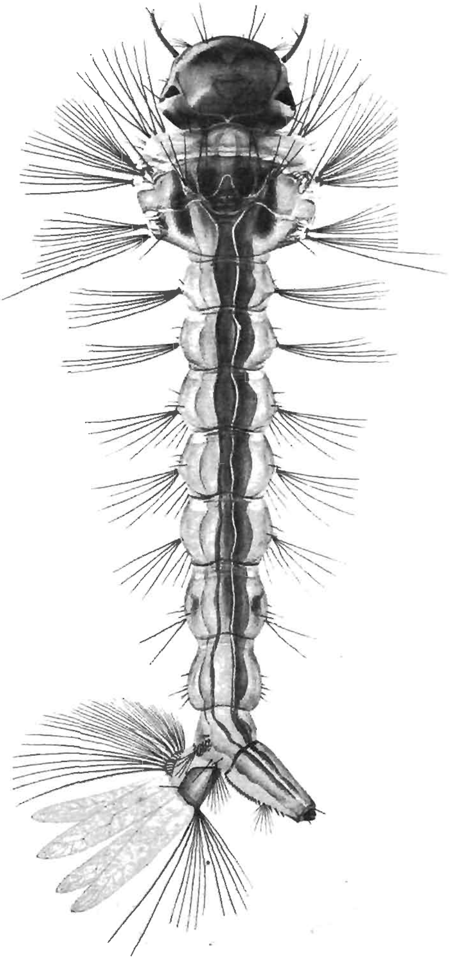
Larva: Psorophora ciliatus *Fabricius.*



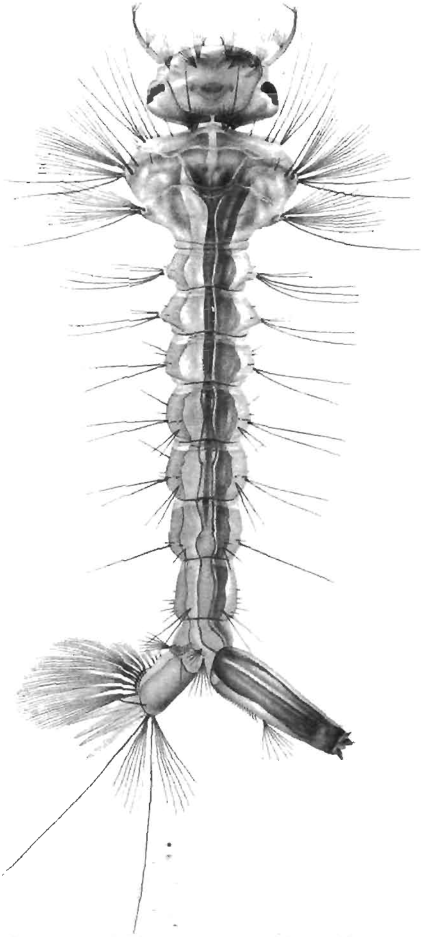
Larva: Psorophora discolor *Coquillett.*



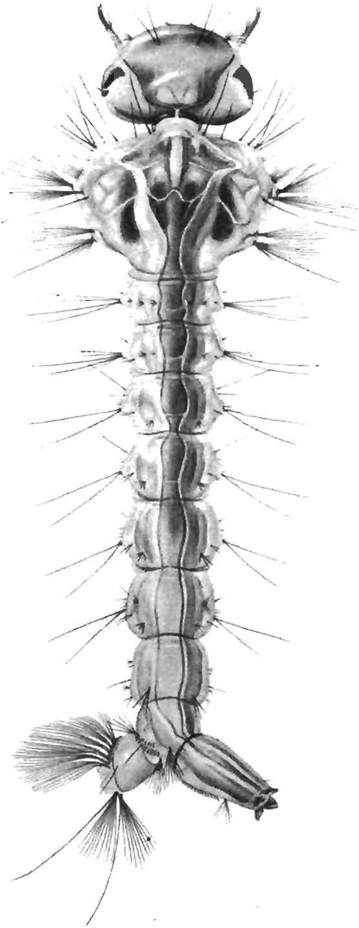
Larva: Psorophora columbiæ *Dyar & Knab.*



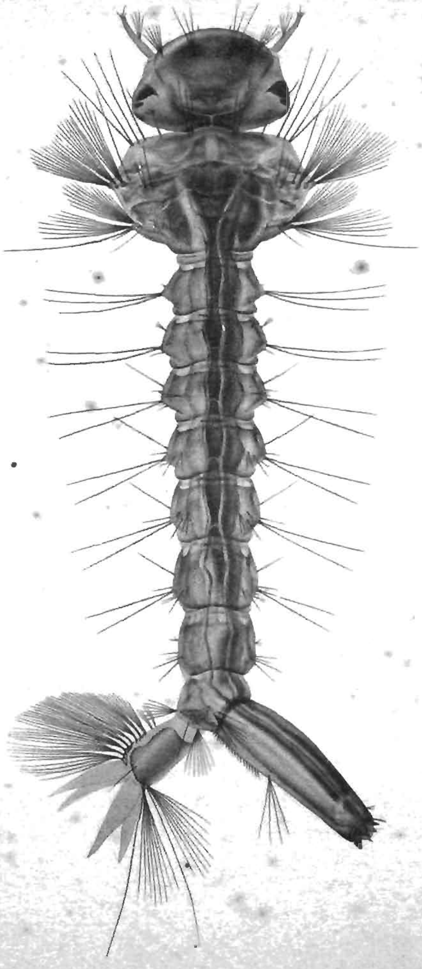
Larva: Aedes atropalpus *Coquillett.*



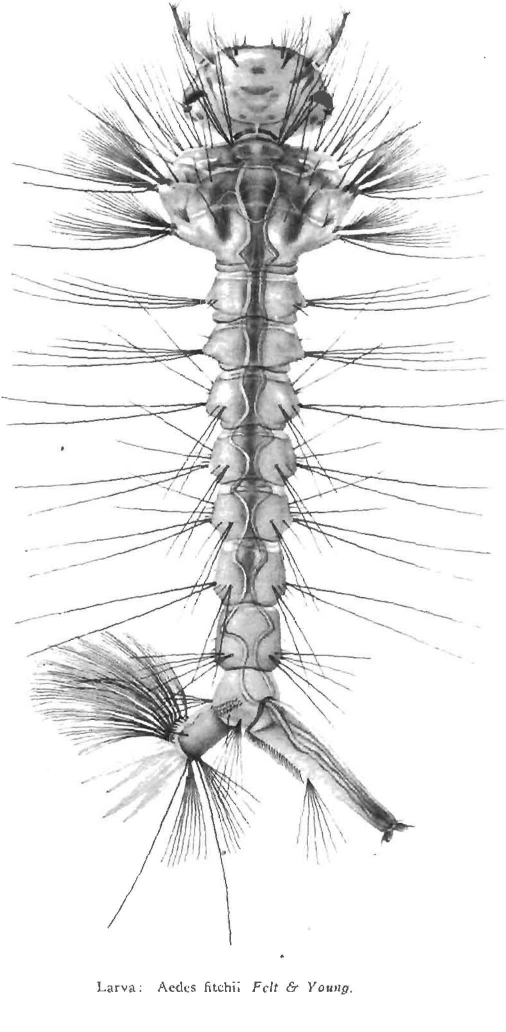
Larva: Aedes canadensis *Theobald.*



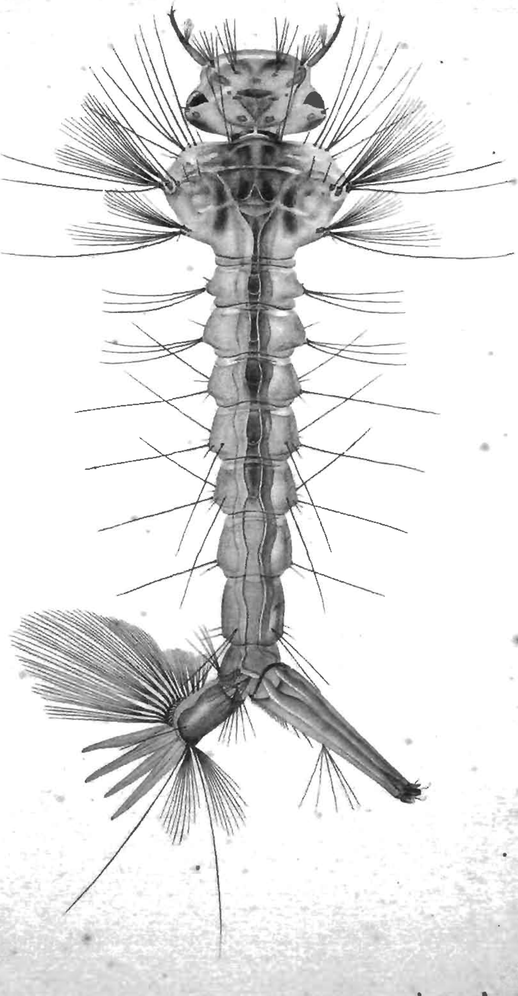
Larva: Aedes sollicitans *Walker*.



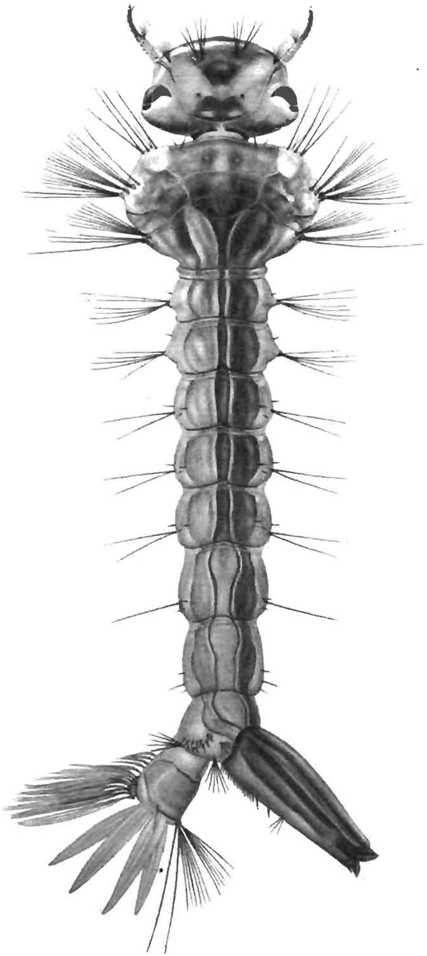
Larva: Aedes stimulans *Walker.*



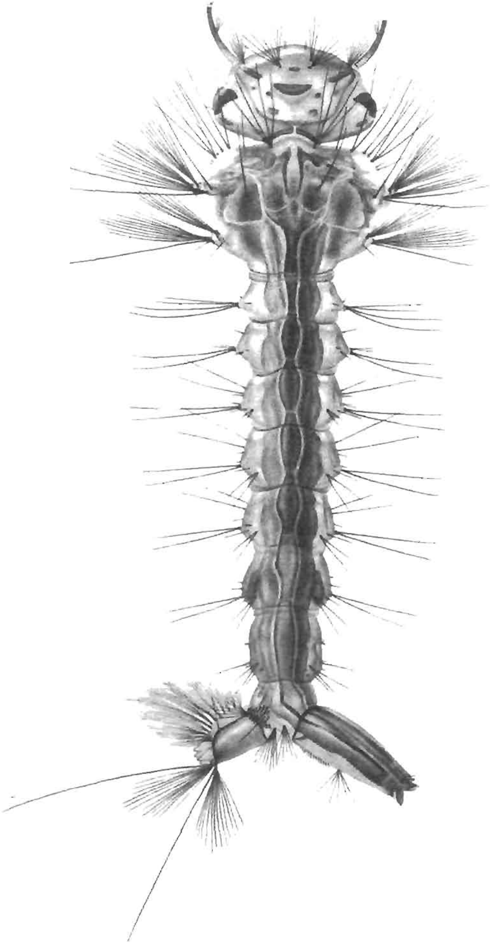
Larva: Aedes fitchii *Felt & Young.*



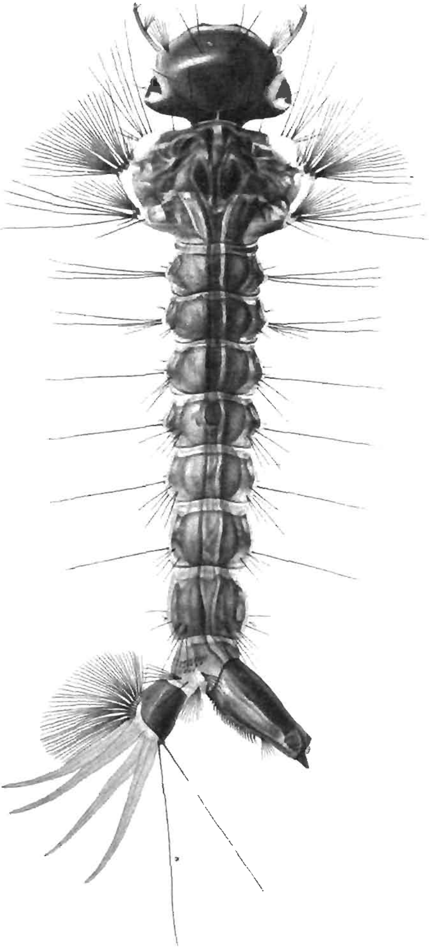
Larva: Aedes abfitchii *Felt.*



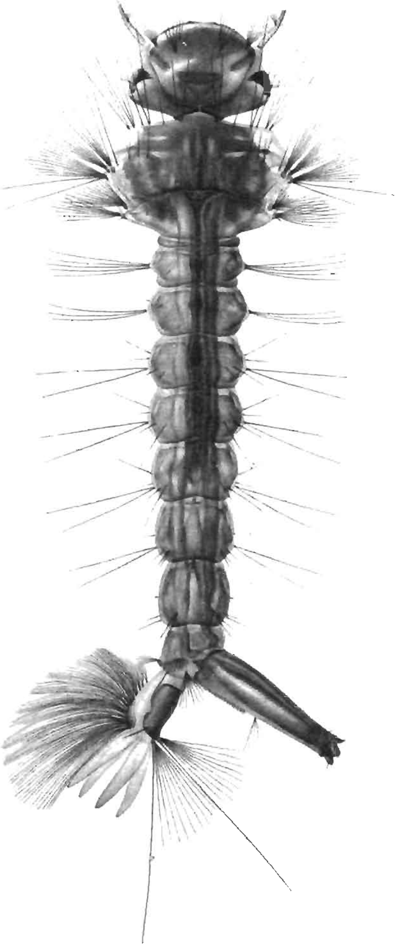
Larva: Aedes sylvestris *Theobald.*



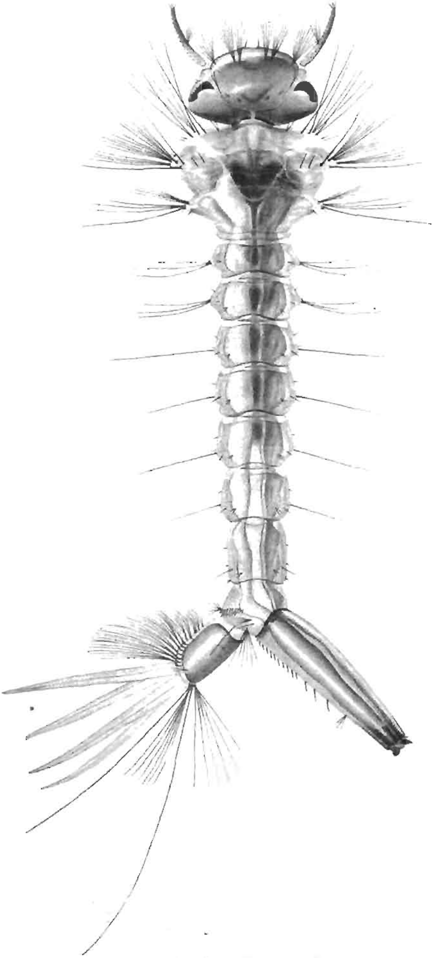
Larva: Aedes cantator *Coquillett.*



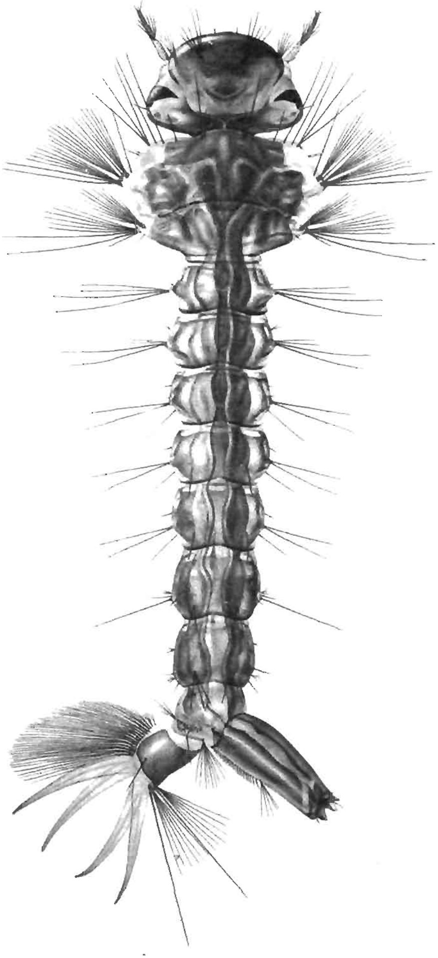
Larva: Aedes trivittatus *Coquillett.*



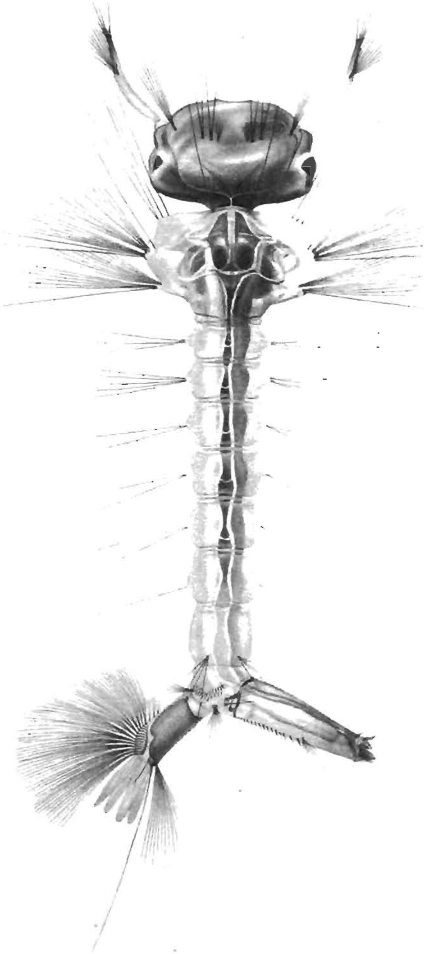
Larva: Aedes grossbecki *Dyar & Knab.*



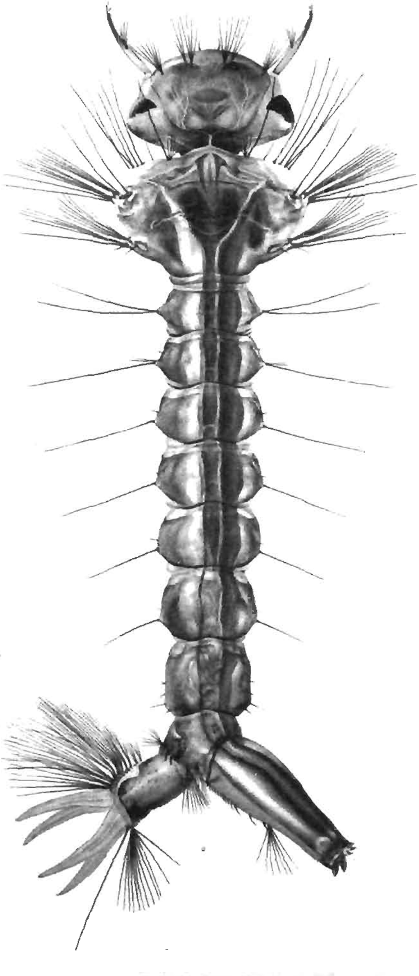
Larva: Aedes fuscus *Osten Sacken.*



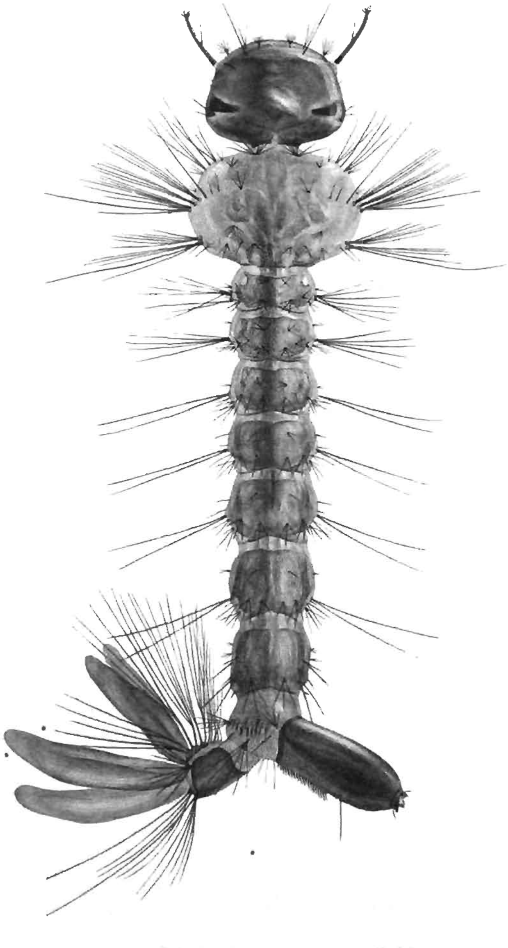
Larva: Aedes hirsuteron *Theobald.*



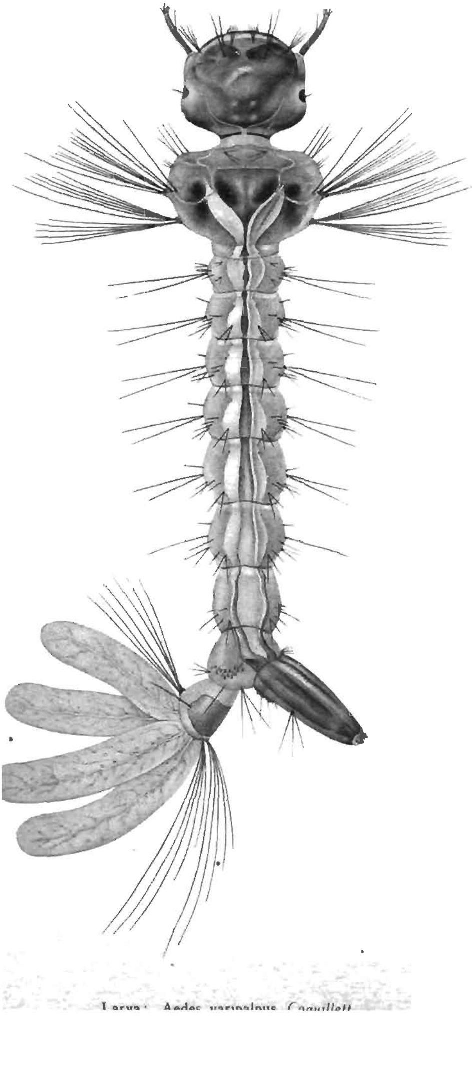
Larva: Aedes aurifer *Coquillett.*



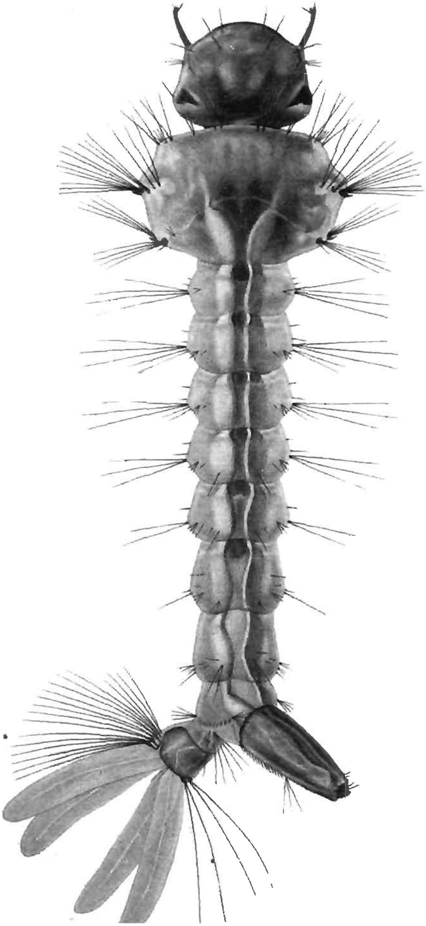
Larva: Aedes impiger *Walker*.

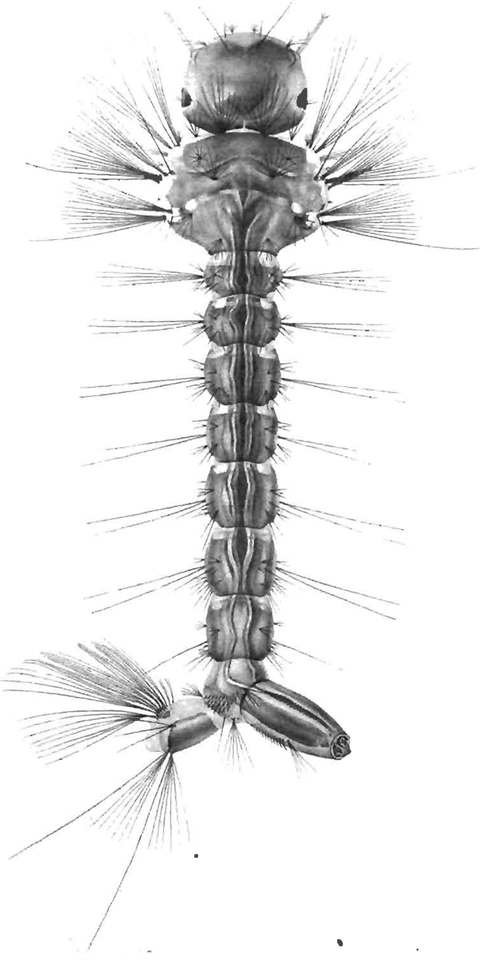


Larva: Aedes triseriatus *Say*.

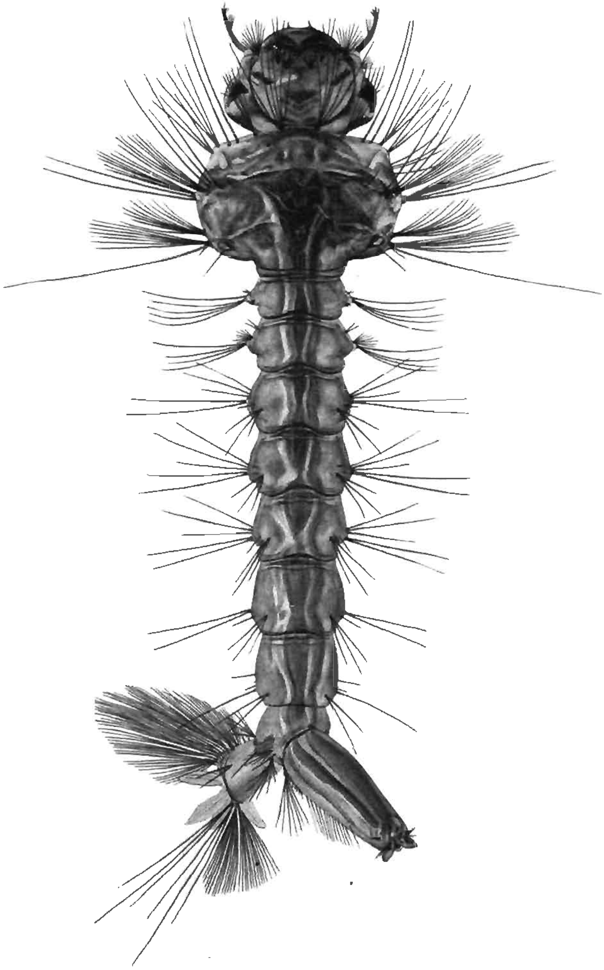


Larva: Aedes varipalpus *Coquillett*

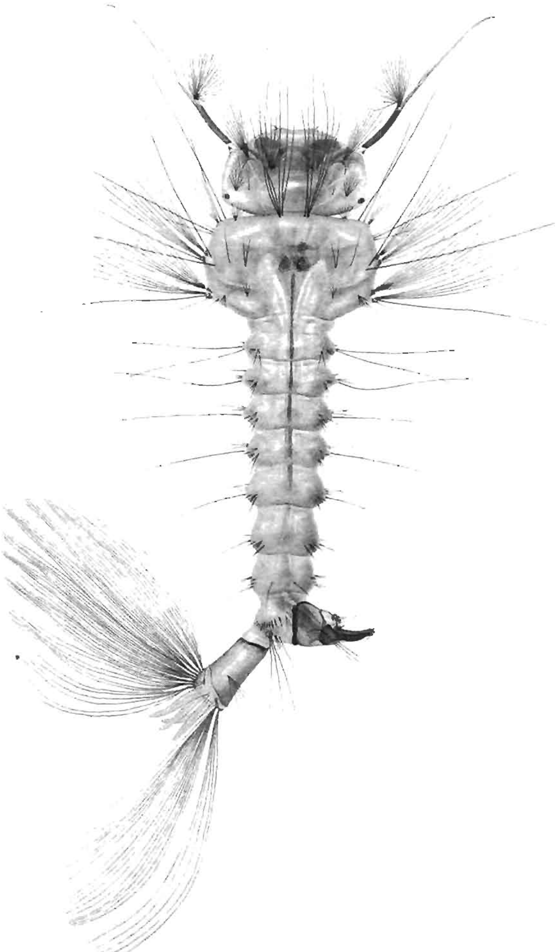




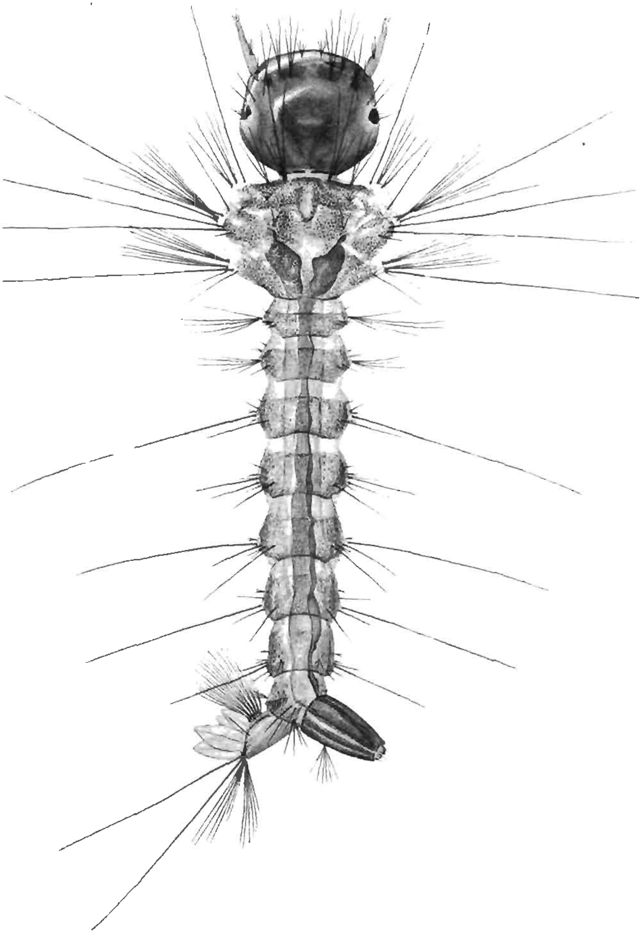
Larva: Stegoconops lucifer *Howard, Dyar & Knab.*



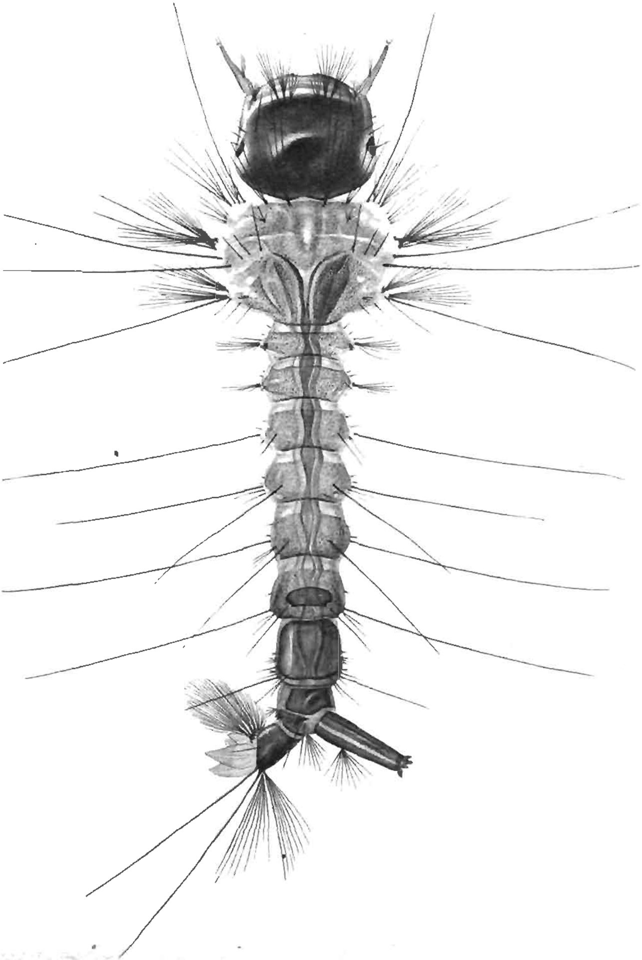
Larva: Culiseta inornatus *Williston.*



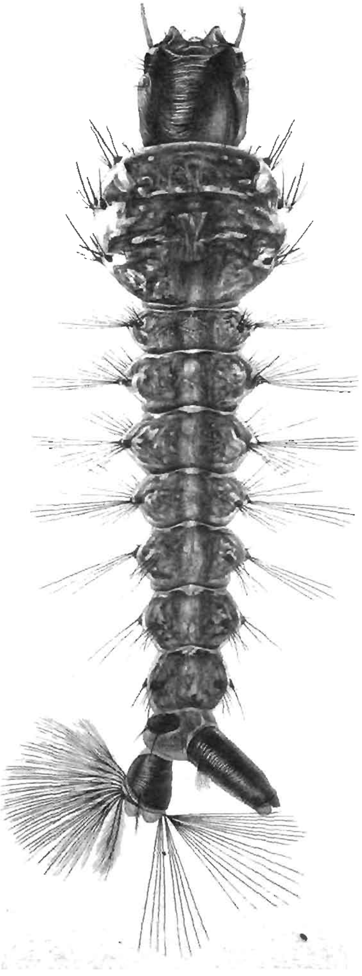
Larva: Mansonia perturbans *Walker*.

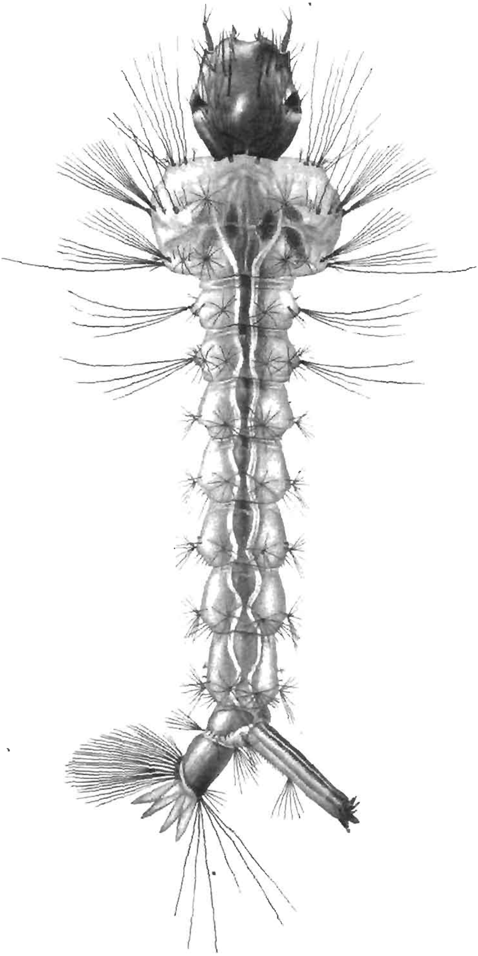


Larva: Bancroftia signifer *Coquillett*, stage III.

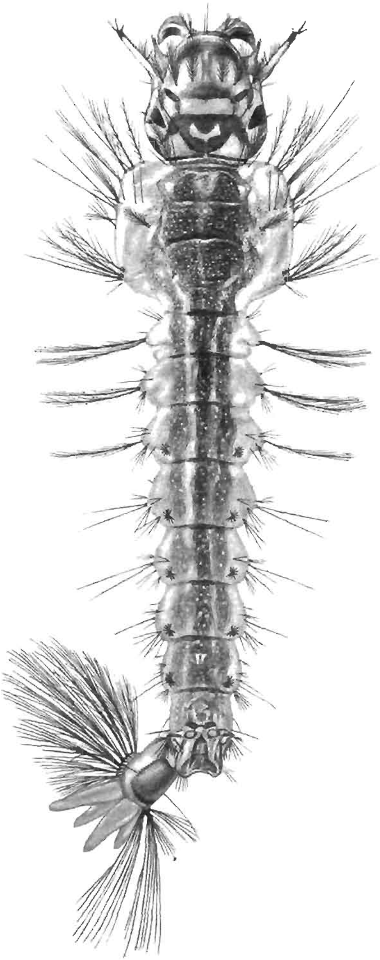


Larva: Bancroftia signifer *Coquillett.*

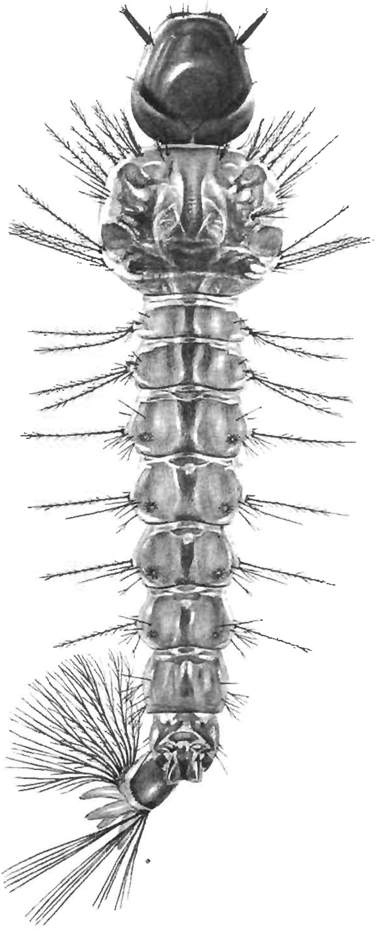




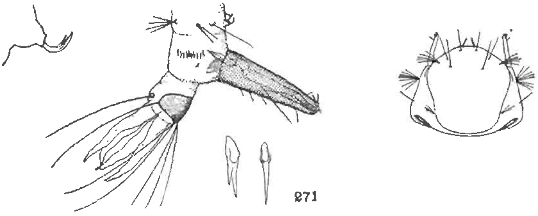
Larva: Uranotænia sapphirinus *Osten Sacken.*



Larva: Anopheles punctipennis *Say*.



Larva: Cœlodiazesis barberi *Coquillett.*



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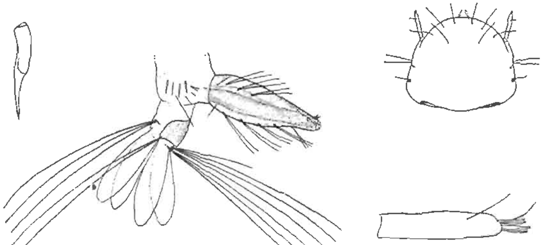

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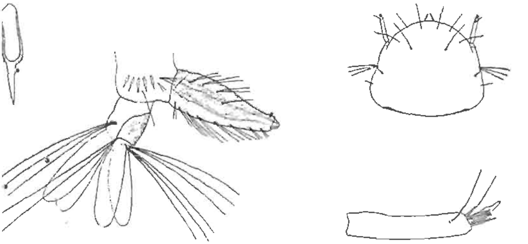
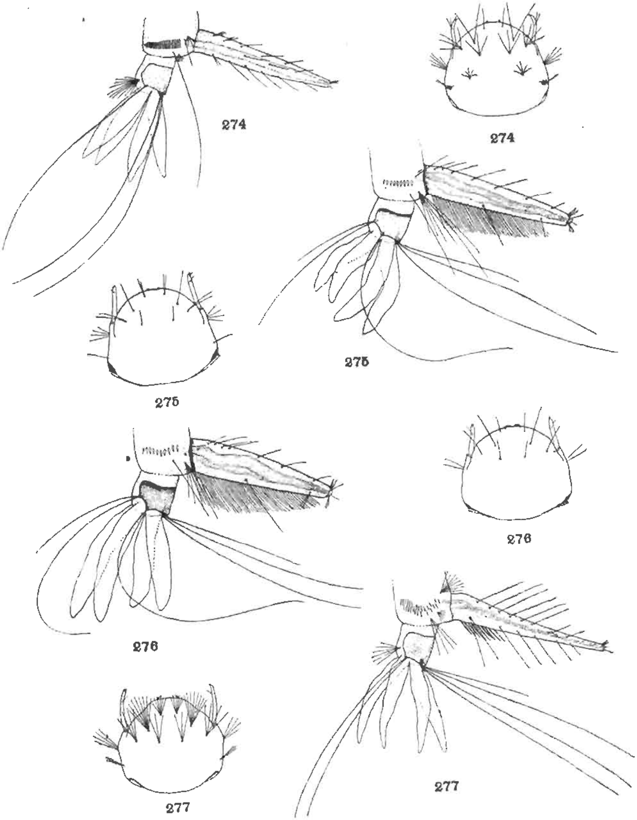


273

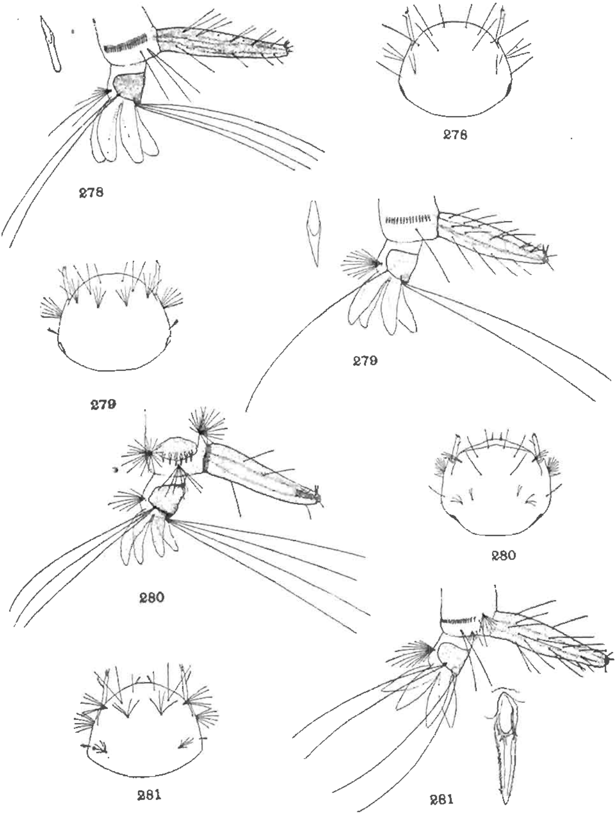
DETAILS OF LARVÆ.

271. Sabethinus identicus *Dyar & Knab.*
272. Limatus durhamii *Theobald.*
273. Limatus cacophrades *Dyar & Knab.*



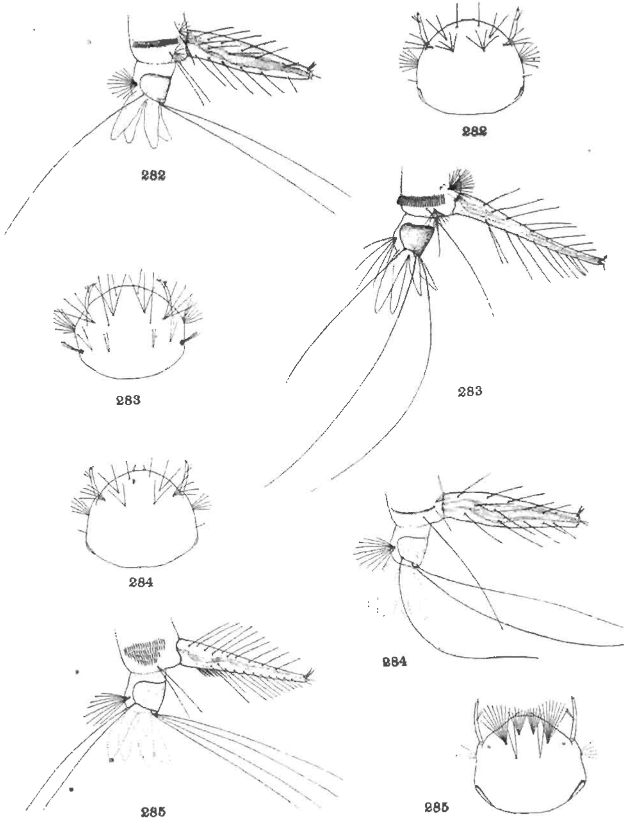
DETAILS OF LARVÆ.

274. Wyeomyia philophone *Dyar & Knab.*
275. Wyeomyia pandora *Dyar & Knab.*
276. Wyeomyia canfieldi *Dyar & Knab.*
277. Wyeomyia trinidadensis *Theobald.*



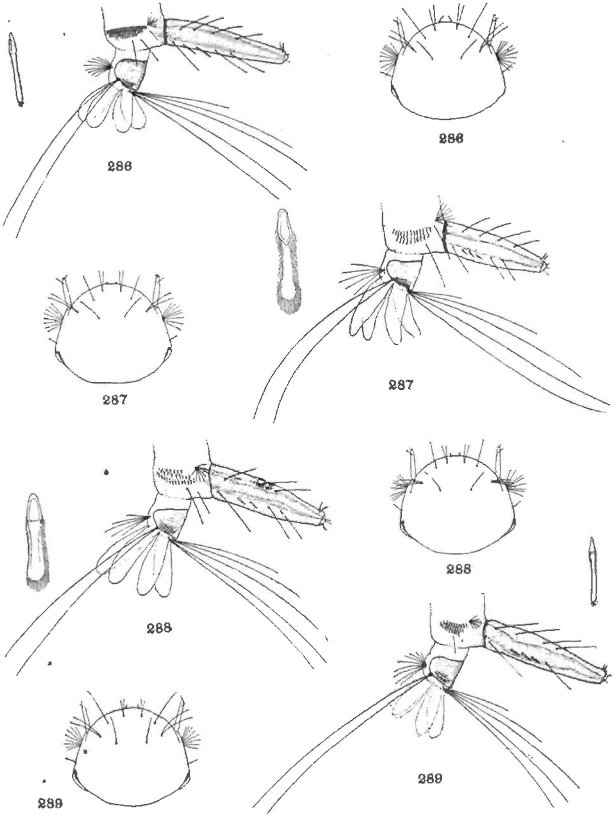
DETAILS OF LARVÆ.

278. Wyeomyia sororcula *Dyar & Knab.*
279. Wyeomyia mitchellii *Theobald.*
280. Wyeomyia codiocampa *Dyar & Knab.*
281. Wyeomyia ablabes *Dyar & Knab.*



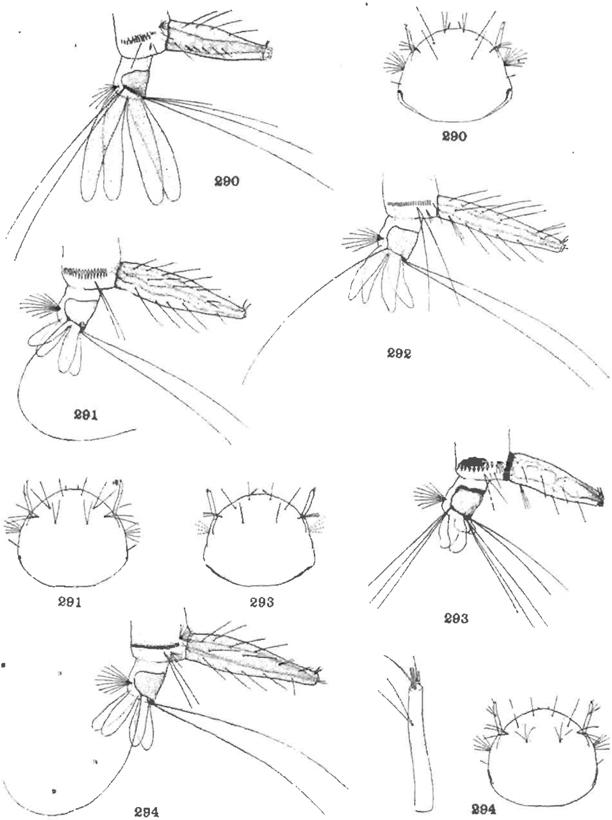
DETAILS OF LARVÆ.

282. Wyeomyia labesba *Dyar & Knab.*
283. Wyeomyia ab'ebela *Dyar & Knab.*
284. Wyeomyia abia *Dyar & Knab.*
285. Wyeomyia autocratica *Dyar & Knab*



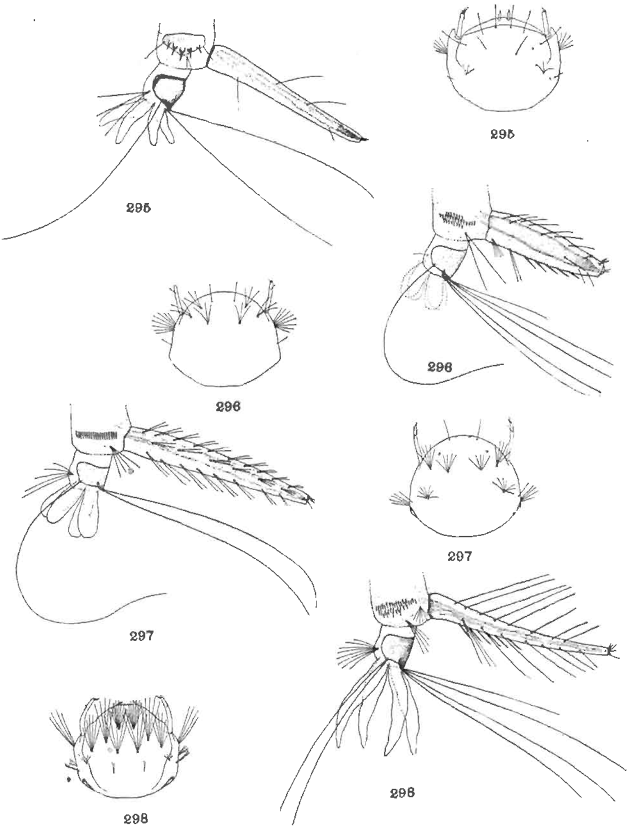
DETAILS OF LARVÆ.

286. Wyeomyia pseudopecten *Dyar & Knab.*
287. Wyeomyia eloisa *Howard, Dyar & Knab.*
288. Wyeomyia pantoia *Dyar & Knab.*
289. Wyeomyia onidus *Dyar & Knab.*



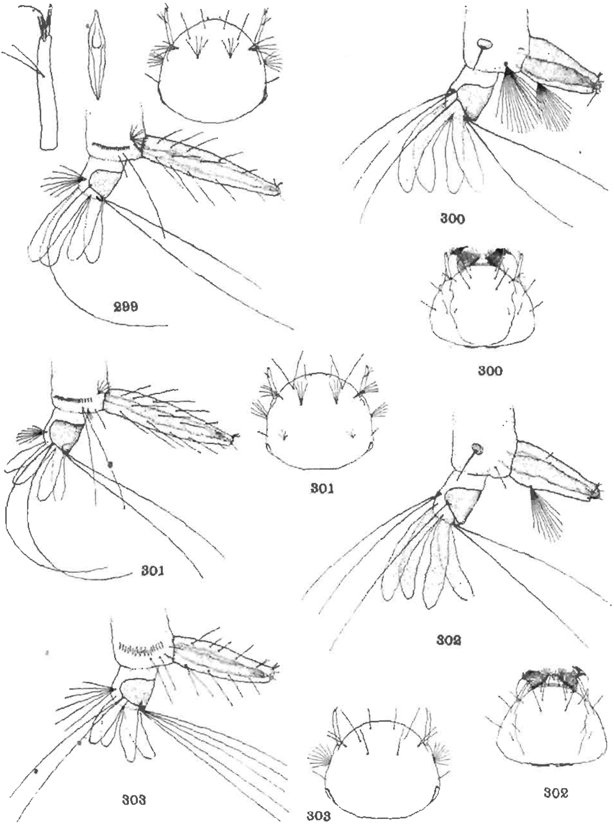
DETAILS OF LARVÆ.

290. Wyeomyia cacodela *Dyar & Knab.*
291. Wyeomyia chresta *Dyar & Knab.*
292. Wyeomyia telestica *Dyar & Knab.*
293. Wyeomyia bromeliarum *Dyar & Knab.*
294. Wyeomyia abrachys *Dyar & Knab.*



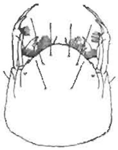
DETAILS OF LARVÆ.

295. Wyeomyia symmachus *Dyar & Knab.*
296. Wyeomyia chalcocephala *Dyar & Knab.*
297. Wyeomyia simmsi *Dyar & Knab.*
298. Wyeomyia circumcincta *Dyar & Knab.*



DETAILS OF LARVÆ.

299. Wyeomyia hàpla *Dyar & Knab.*
300. Joblotia trichorryes *Dyar & Knab.*
301. Wyeomyia scotinomus *Dyar & Knab.*
302. Joblotia mogilasia *Dyar & Knab.*
303. Wyeomyia hemisagnosta *Dyar & Knab.*



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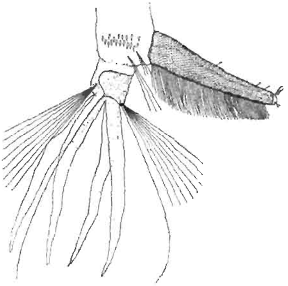

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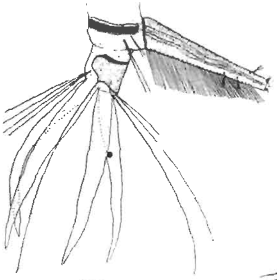

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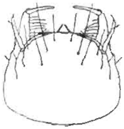

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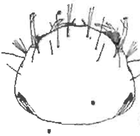

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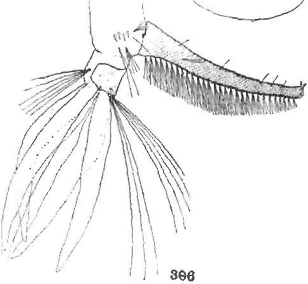
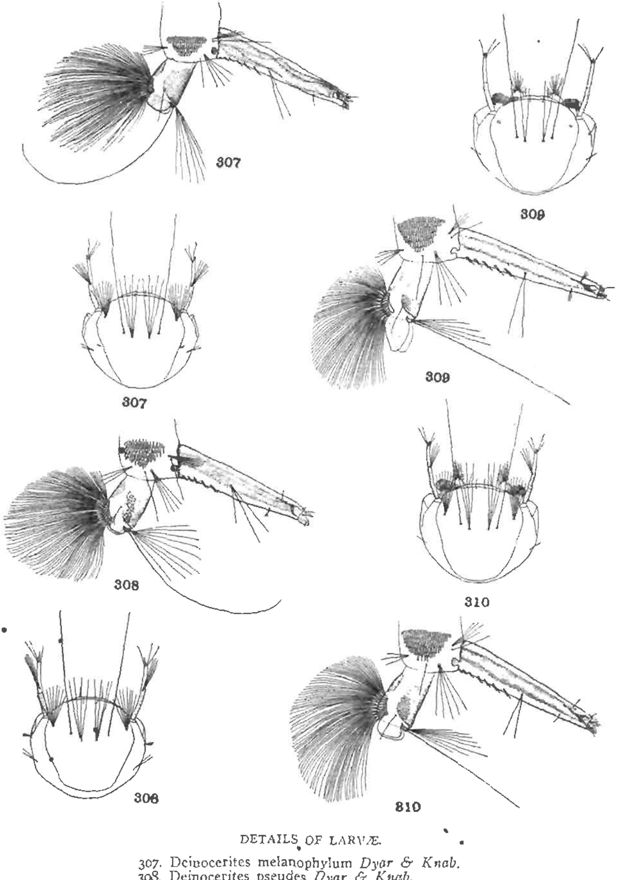


306

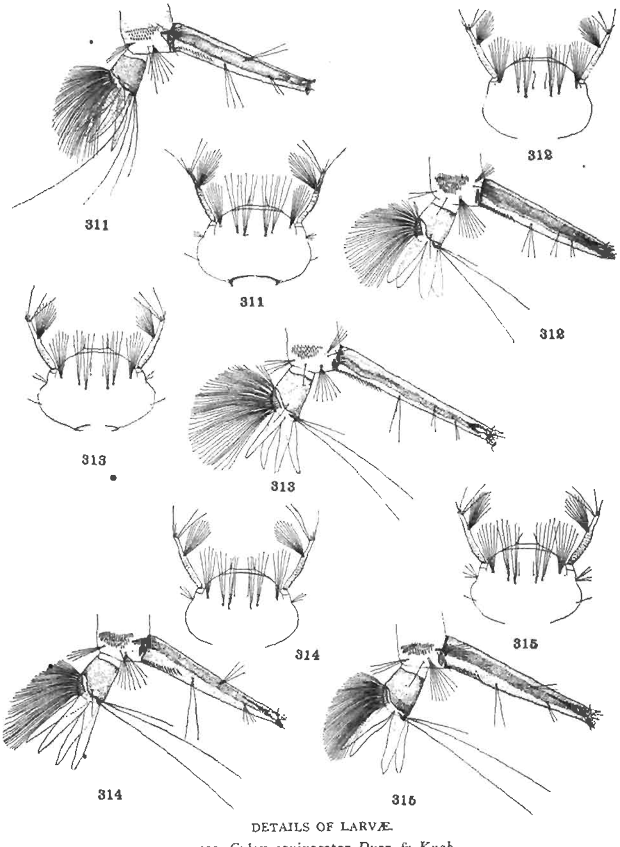
DETAILS OF LARVÆ.

304. Lesticocampa rapax *Dyar & Knab.*
305. Lesticocampa dicellaphora *Howard, Dyar & Knab.*
306. Lesticocampa culicivora *Dyar & Knab.*



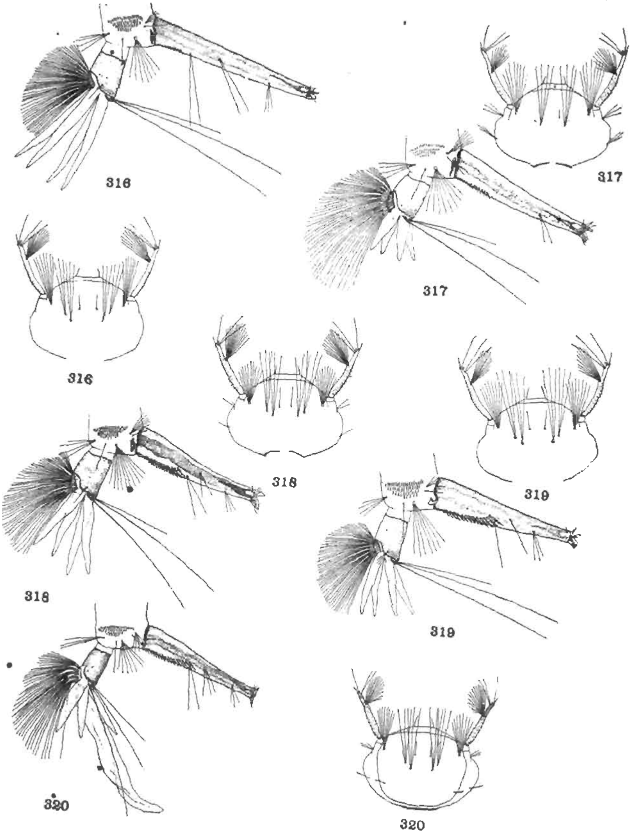
DETAILS OF LARVÆ.

307. Deinocerites melanophylum *Dyar & Knab.*
308. Deinocerites pseudes *Dyar & Knab.*
309. Dinomimetes epitedeus *Knab.*
310. Deinocerites troglodytus *Dyar & Knab.*



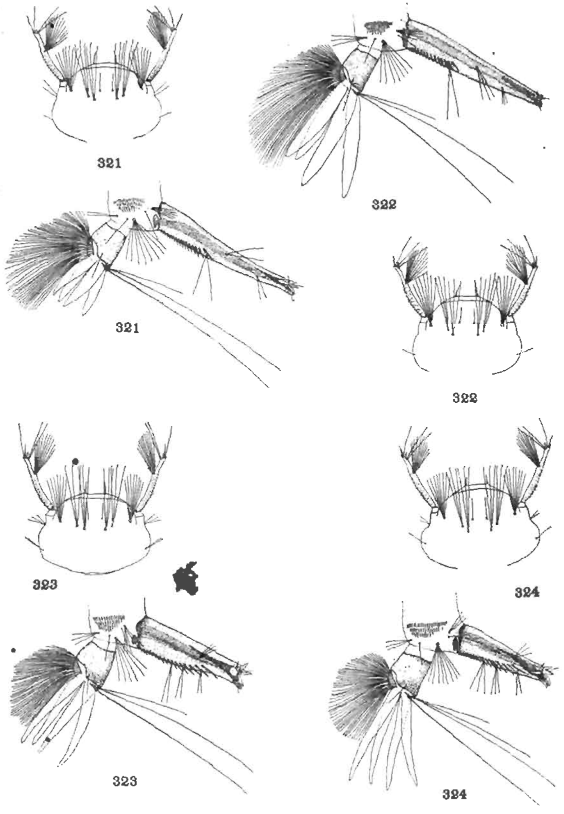
DETAILS OF LARVÆ.

311. Culex equivocator *Dyar & Knab.*
312. Culex extricator *Dyar & Knab.*
313. Culex carmodyæ *Dyar & Knab.*
314. Culex jubilator *Dyar & Knab.*
315. Culex mollis *Dyar & Knab.*



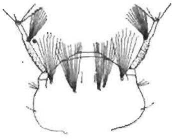
DETAILS OF LARVÆ.

316. Culex mortificator *Dyar & Knab.*
317. Culex declarator *Dyar & Knab.*
318. Culex inquisitor *Dyar & Knab.*
319. Culex proclamator *Dyar & Knab.*
320. Culex revelator *Dyar & Knab.*



DETAILS OF LARVÆ.

321. Culex dictator *Dyar & Knab.*
322. Culex vindicator *Dyar & Knab.*
323. Culex reflector *Dyar & Knab.*
324. Culex interrogator *Dyar & Knab.*



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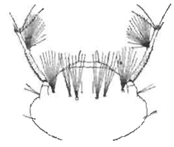

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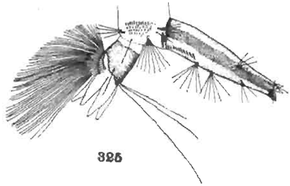

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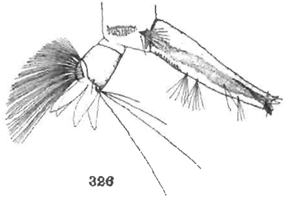

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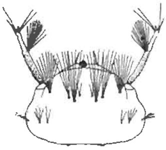

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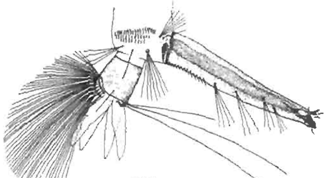

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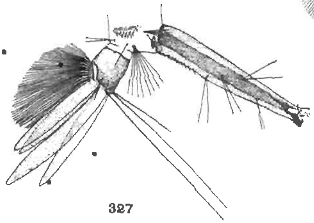

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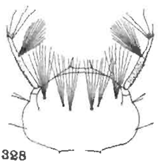

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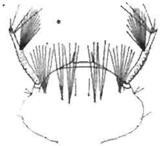
DETAILS OF LARVÆ.

325. Culex revocator *Dyar & Knab.*
326. Culex comitatus *Dyar & Knab.*
327. Culex pinarocampa *Dyar & Knab.*
328. Culex pipiens *Linnæus.*



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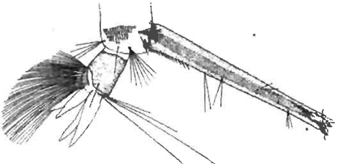

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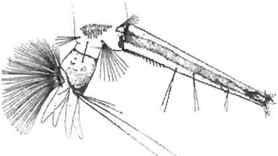

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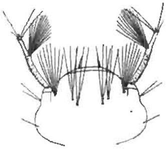

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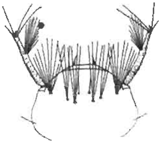

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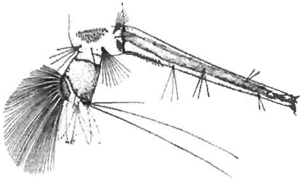

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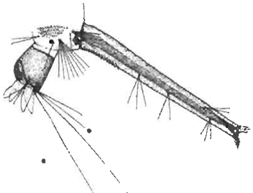

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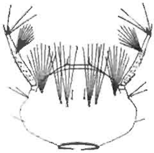
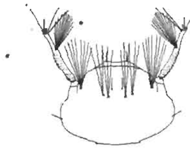


332

DETAILS OF LARVÆ.

329. Culex factor *Dyar & Knab.*
330. Culex microsquamosus *Grabham.*
331. Culex eremita *Howard, Dyar & Knab.*
332. Culex habilitator *Dyar & Knab.*



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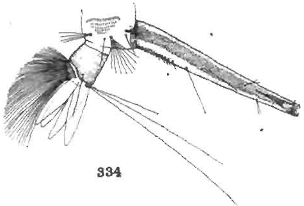

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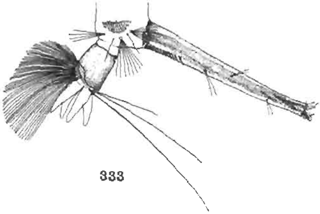

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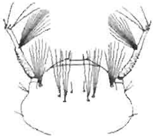

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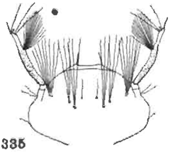

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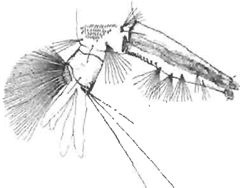

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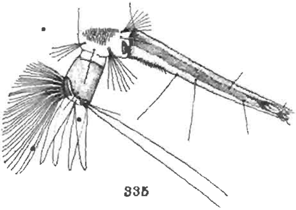

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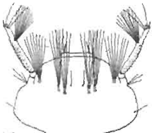

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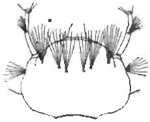
DETAILS OF LARVÆ.

333. Culex caraibeus *Howard, Dyar & Knab.*
334. Culex proximus *Dyar & Knab.*
335. Culex similis *Theobald.*
336. Culex barbarus *Dyar & Knab.*



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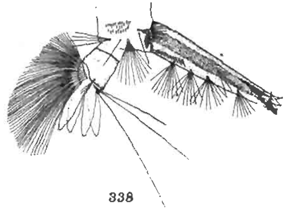

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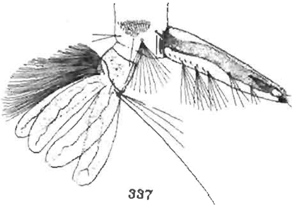

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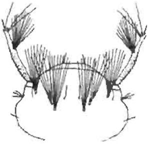

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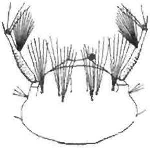

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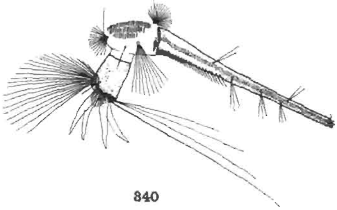

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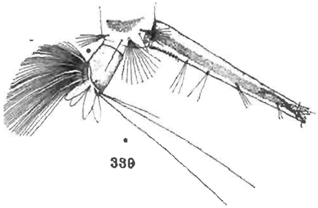

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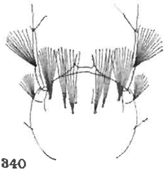

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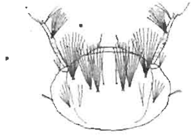
DETAILS OF LARVÆ.

337. Culex janitor *Theobald*.
338. Culex stigmatosoma *Dyar*.
339. Culex erythrothorax *Dyar*.
340. Culex bisulcatus *Coquillett*.



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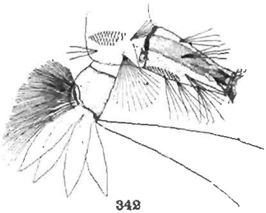

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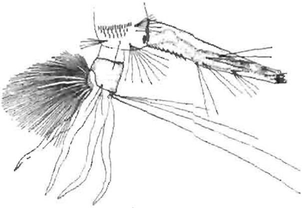

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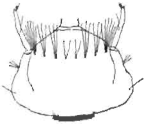

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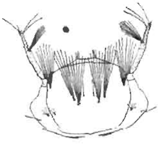

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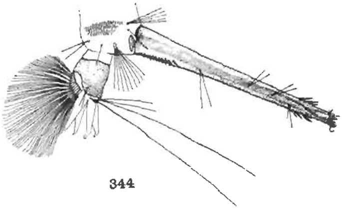

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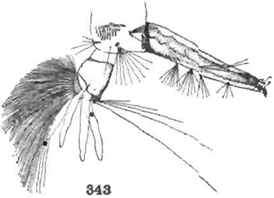

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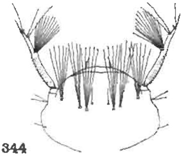

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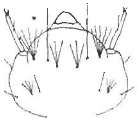
DETAILS OF LARVÆ.

341. Culex stenolepis *Dyar & Knab.*
342. Culex corniger *Theobald.*
343. Culex eumimetes *Dyar & Knab.*
344. Culex coronator *Dyar & Knab.*



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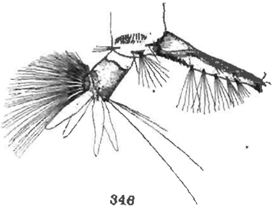

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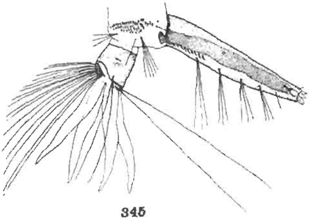

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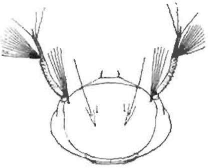

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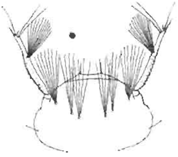

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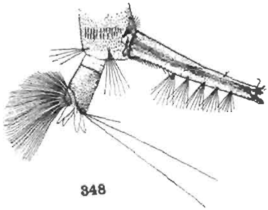

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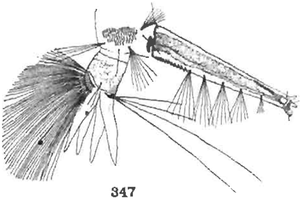

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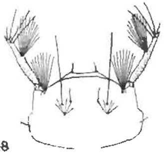
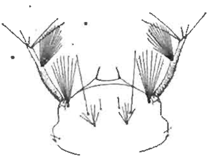


348

DETAILS OF LARVÆ.

345. Culex azymus *Dyar & Knab.*
346. Culex conspirator *Dyar & Knab.*
347. Culex tarsalis *Coquillett.*
348. Culex abominator *Dyar & Knab.*



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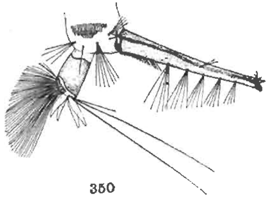

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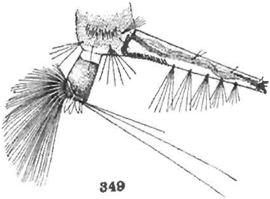

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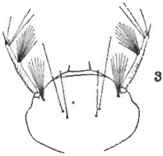

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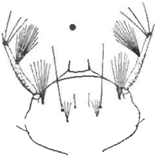

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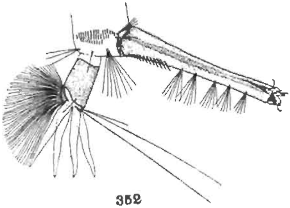

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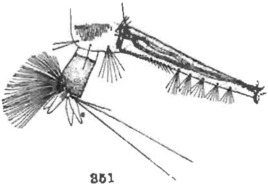

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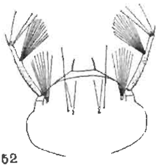
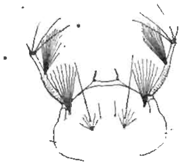


352

DETAILS OF LARVÆ.

349. Culex erraticus *Dyar & Knab.*
350. Culex gravitator *Dyar & Knab.*
351. Culex investigator *Dyar & Knab.*
352. Culex simulator *Dyar & Knab.*



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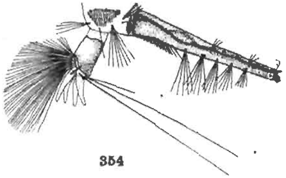

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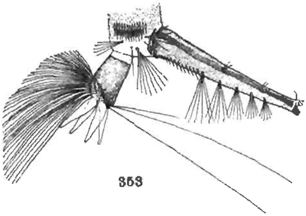

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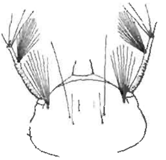

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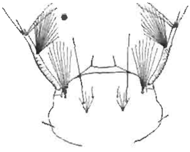

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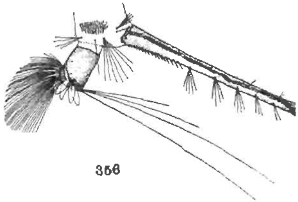

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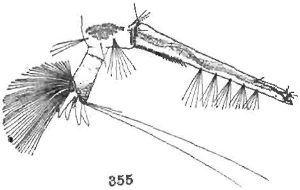

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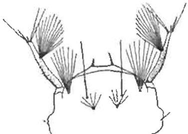
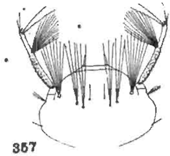


356

DETAILS OF LARVÆ.

353. Culex leprincei *Dyar & Knab.*
354. Culex elevator *Dyar & Knab.*
355. Culex inhibitator *Dyar & Knab.*
356. Culex atratus *Theobald.*



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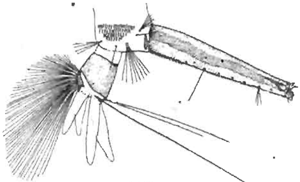

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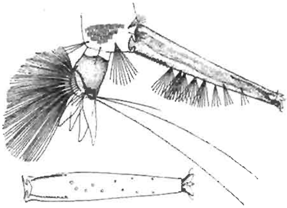

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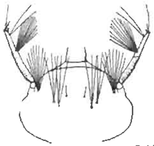

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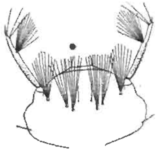

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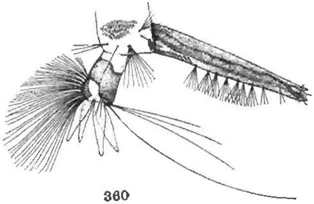

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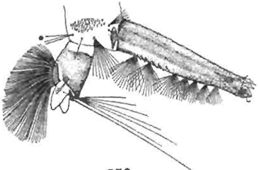

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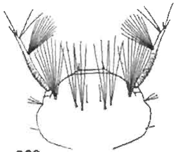
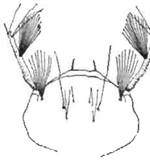


360

DETAILS OF LARVÆ.

357. Culex lamentator *Dyar & Knab.*
358. Culex toweri *Dyar & Knab.*
359. Culex bahamensis *Dyar & Knab.*
360. Culex secutor *Theobald.*



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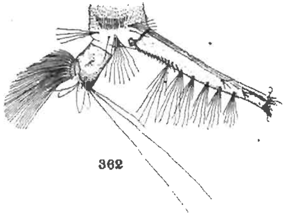

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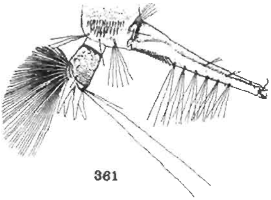

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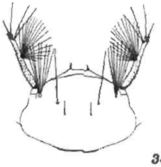

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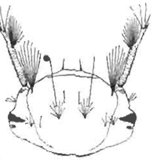

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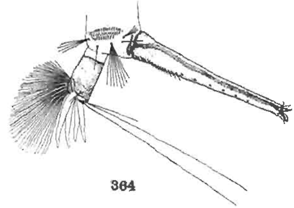

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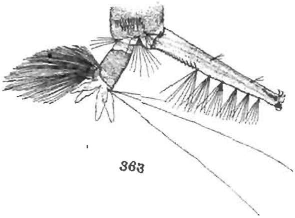

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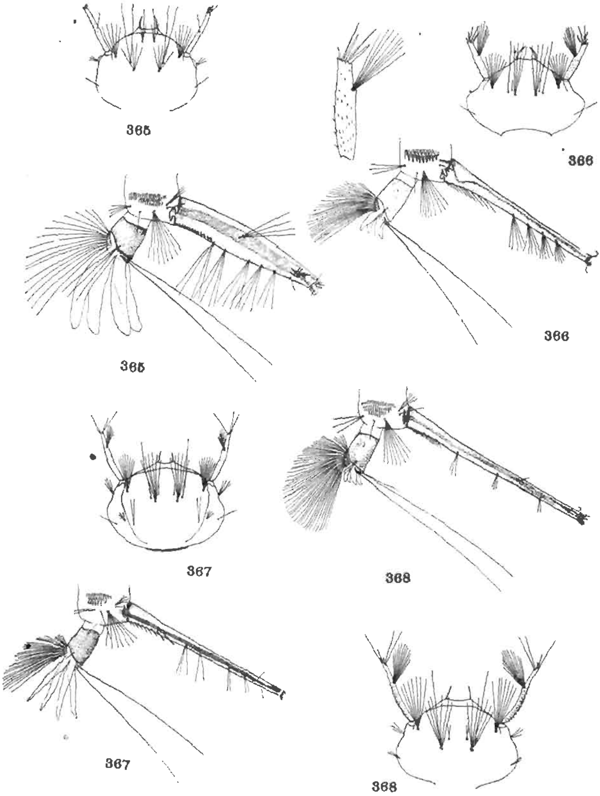
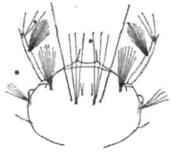
DETAILS OF LARVÆ.

361. Culex mutator *Dyar & Knab.*
362. Culex chrysonotum *Dyar & Knab.*
363. Culex trachycampa *Dyar & Knab.*
364. Culex bastagarius *Dyar & Knab.*



DETAILS OF LARVÆ.

365. Culex pleuristriatus *Theobald.*
366. Culex daumastocampa *Dyar & Knab.*
367. Culex rejector *Dyar & Knab.*
368. Culex carcinophilus *Dyar & Knab.*



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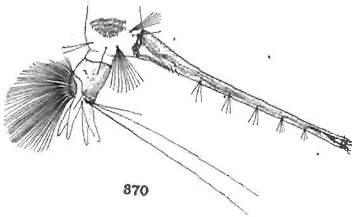

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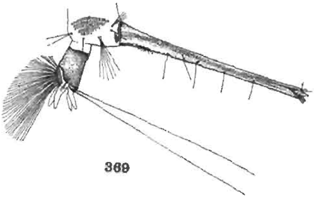

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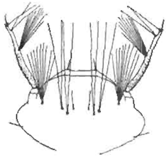

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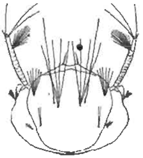

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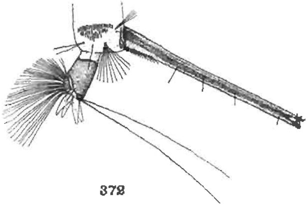

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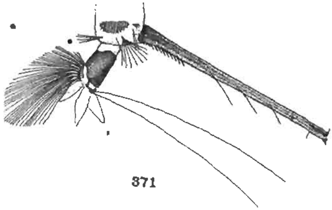

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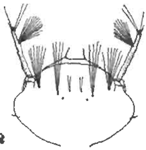

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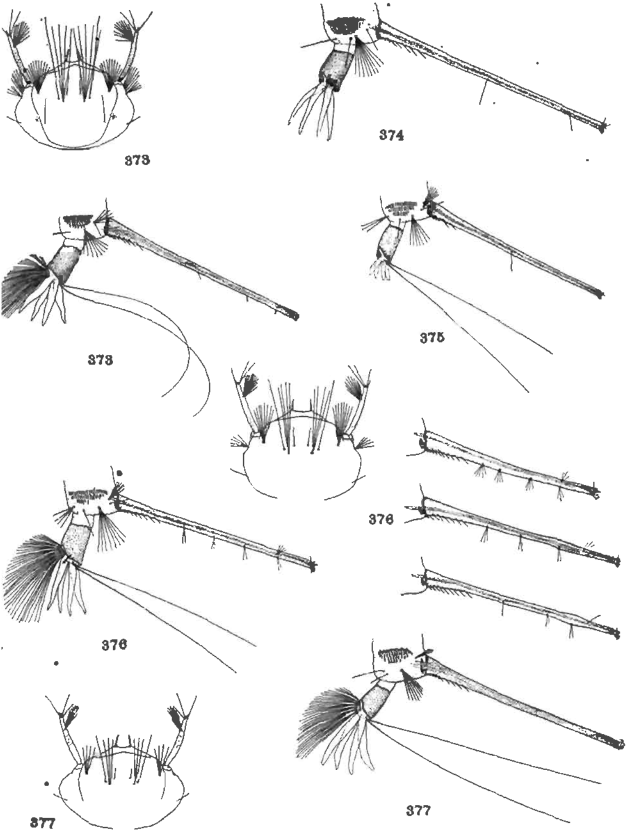
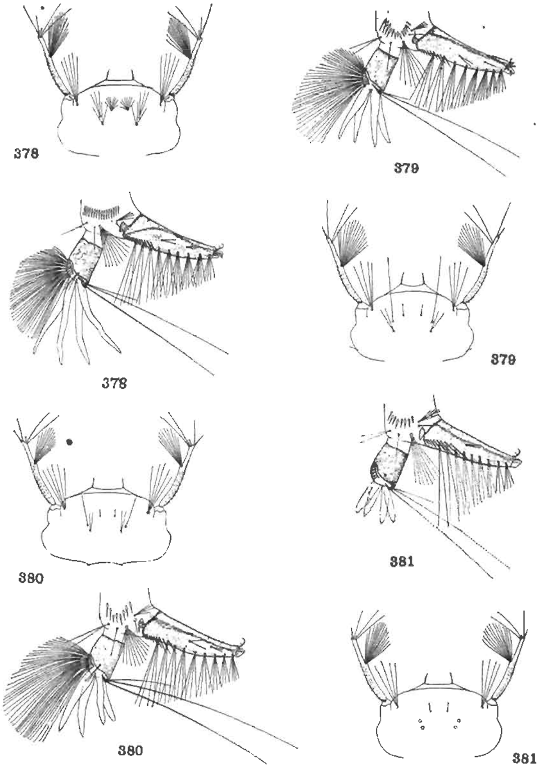
DETAILS OF LARVÆ.

369. Culex restrictor *Dyar & Knab.*
370. Culex derivator *Dyar & Knab.*
371. Culex corrigani *Dyar & Knab.*
372. Culex conservator *Dyar & Knai*



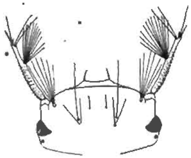
DETAILS OF LARVÆ.

373. Culex jenningsi *Dyar & Knab.*
374. Culex consolator *Dyar & Knab.*
375. Culex inimitabilis *Dyar & Knab.*
376. Culex imitator *Theobald.*
377. Culex ocellatus *Theobald.*



DETAILS OF LARVÆ.

378. Culex caudelli *Dyar & Knab.*
379. Culex pilosus *Dyar & Knab.*
380. Culex floridanus *Dyar & Knab.*
381. Culex agitator *Dyar & Knab.*



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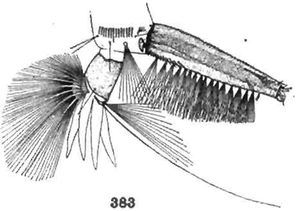

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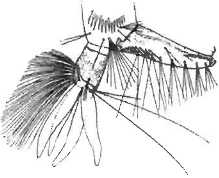

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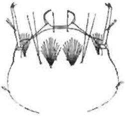

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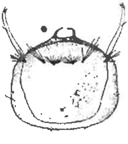

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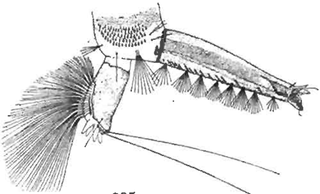

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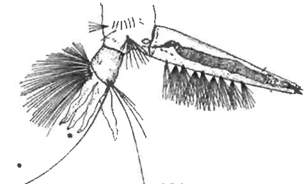

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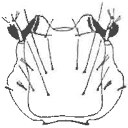

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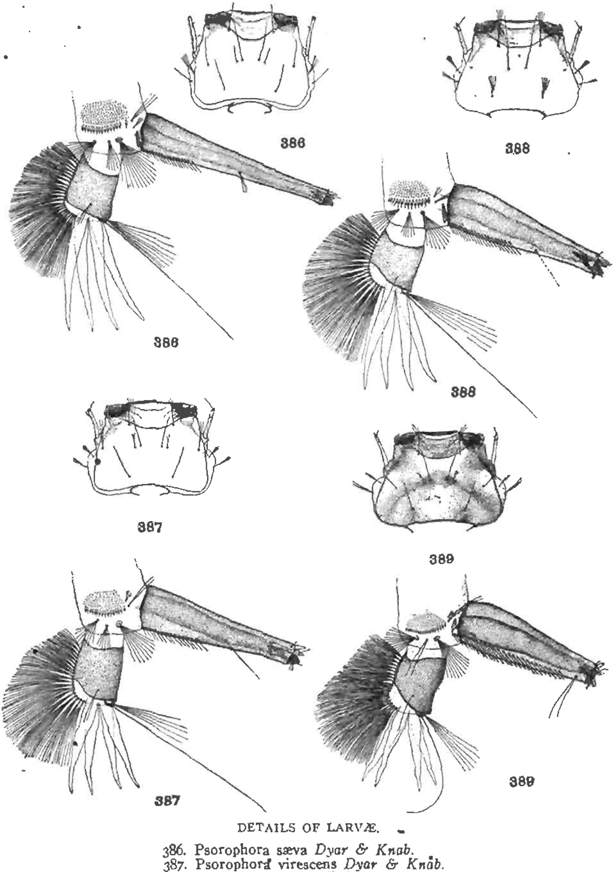
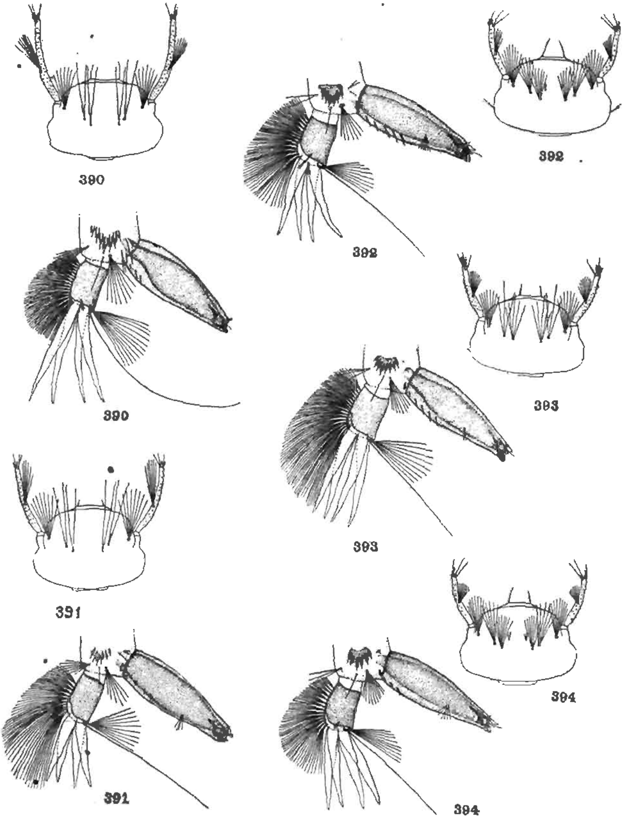
DETAILS OF LARVÆ.

382. Culex reductor *Dyar & Knab.*
383. Carrollia prichii *Coquillett.*
384. Carrollia iridescens *Lutz.*
385. Lutzia bigoti *Bellardi.*



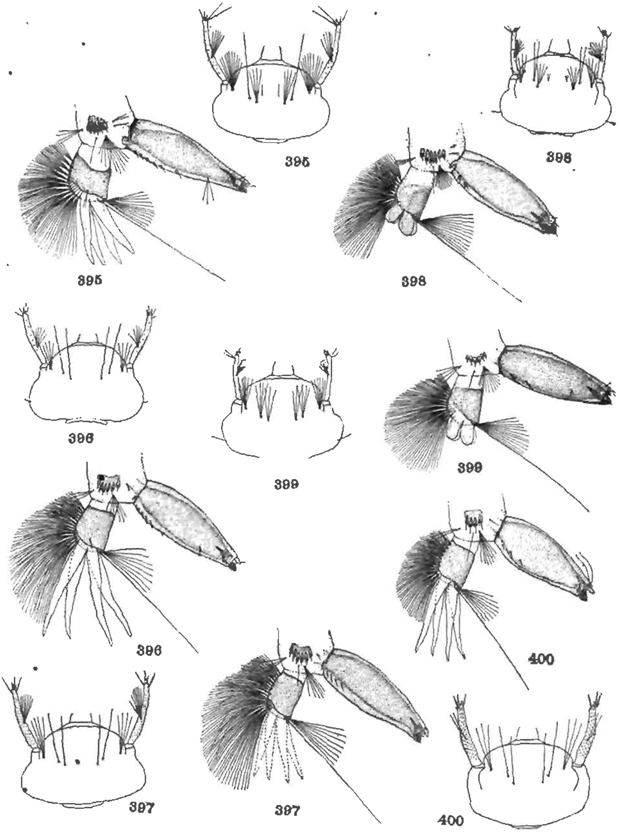
DETAILS OF LARVÆ.

386. Psorophora sæva *Dyar & Knab.*
387. Psorophora virescens *Dyar & Knab.*
388. Psorophora howardii *Coquillett.*
389. Psorophora cilipes *Fabricius.*



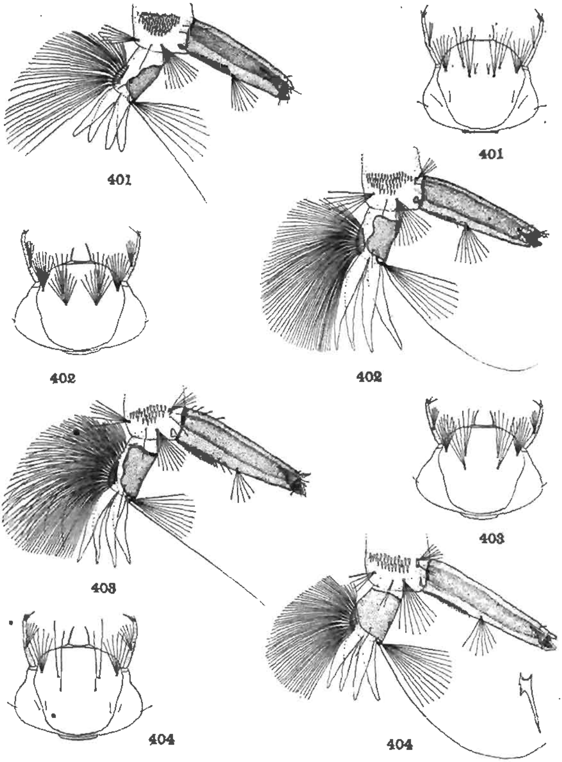
DETAILS OF LARVÆ.

390. Psorophora sayi *Dyar & Knab.*
391. Psorophora discrucians *Wiedemann.*
392. Psorophora toltecum *Dyar & Knab.*
393. Psorophora floridense *Dyar & Knab.*
394. Psorophora jamaicensis *Theobald.*



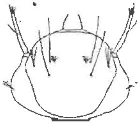
DETAILS OF LARVÆ.

395. Psorophora infine *Dyar & Knab.*
396. Psorophora pygmæa *Theobald.*
397. Psorophora signipennis *Coquillett.*
398. Psorophora haruspicus *Dyar & Knab.*
399. Psorophora insularius *Dyar & Knab.*
400. Psorophora cyanescens *Coquillett.*



DETAILS OF LARVÆ.

401. Aëdes fluviatilis *Lutz.*
402. Aëdes pullatus *Coquillett.*
403. Aëdes fletcheri *Coquillett.*
404. Aëdes mitchellæ *Dyar.*



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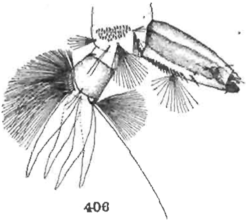

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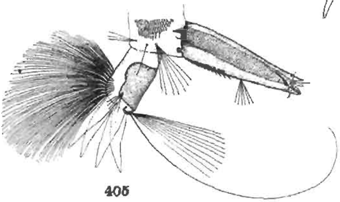

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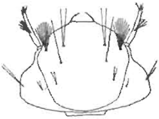

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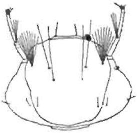

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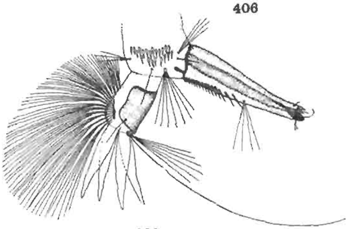

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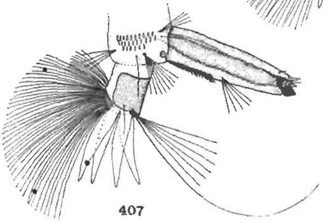

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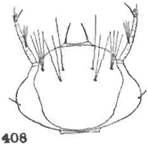

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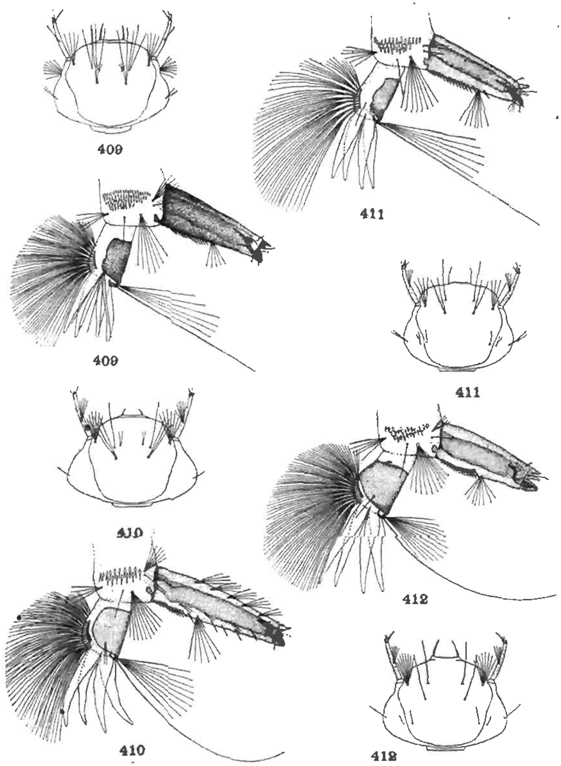
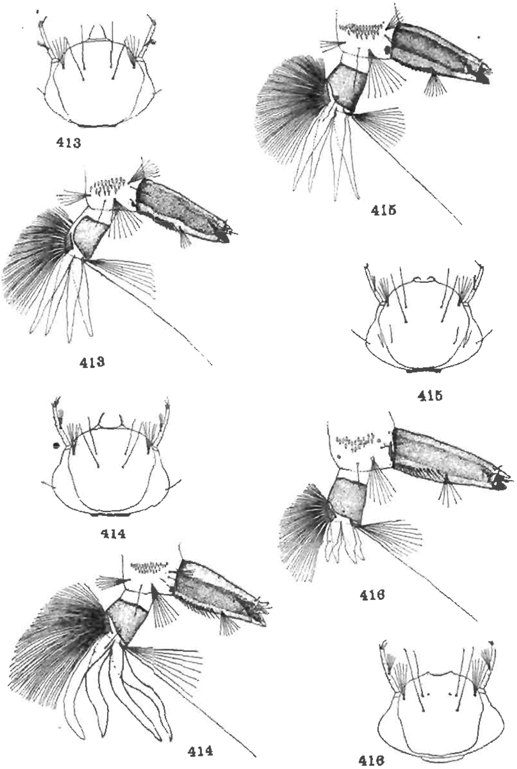
DETAILS OF LARVÆ.

405. Aëdes thorntoni *Dyar & Knab.*
406. Aëdes bimaculatus *Coquillett.*
407. Aëdes lazarensis *Felt & Young.*
408. Aëdes sansoni *Dyar & Knab.*



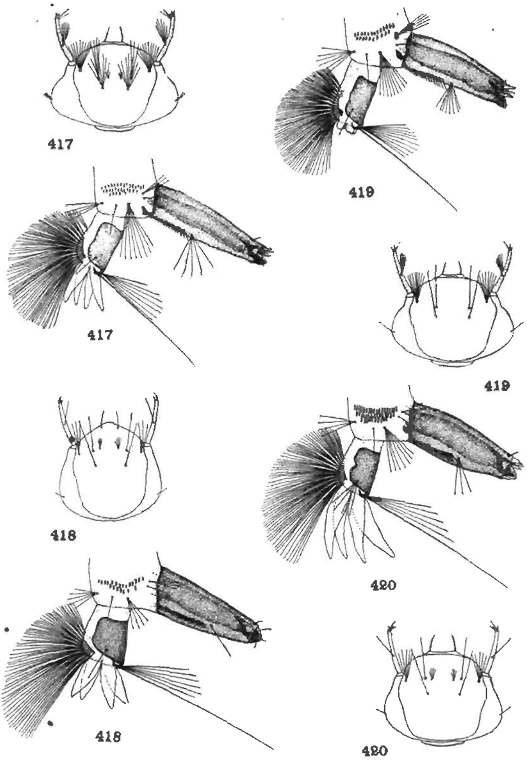
DETAILS OF LARVÆ.

409. Aëdes oswaldi *Lutz.*
410. Aëdes trichurus *Dyar.*
411. Aëdes epactius *Dyar & Knab.*
412. Aëdes cuneatus *Dyar & Knab.*



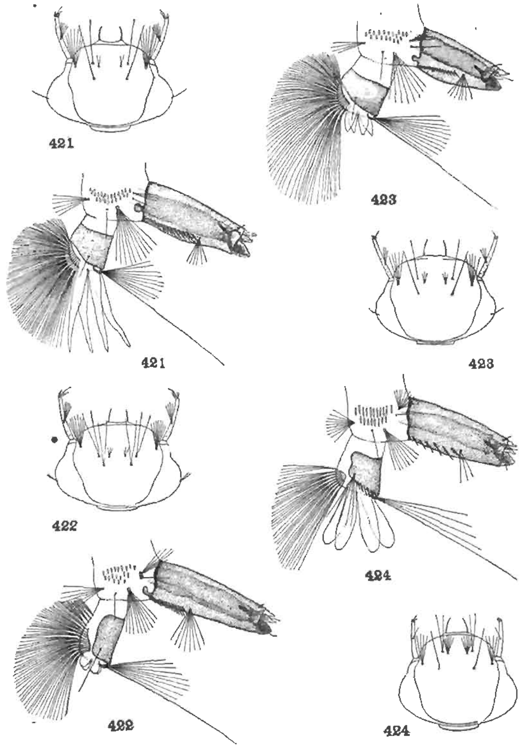
DETAILS OF LARVÆ.

413. Aëdes æstivalis *Dyar.*
414. Aëdes scapularis *Rondani.**
415. Aëdes tortilis *Theobald.*
416. Aëdes bracteatus *Coquillett.*



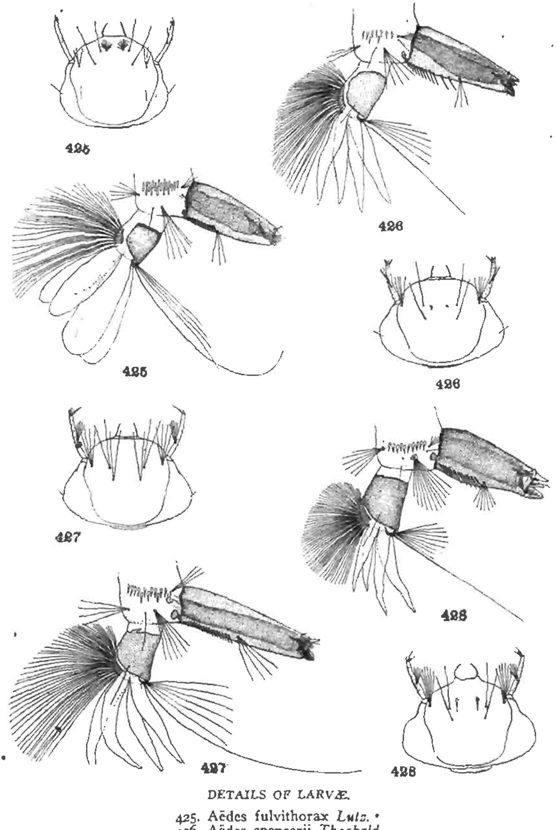
DETAILS OF LARVÆ.

417. Aëdes curriei *Coquillett.*
418. Aëdes knabi *Coquillett.*
419. Aëdes onondagensis quaylei *Dyar & Knab.*
420. Aëdes podographicus *Dyar & Knab.*



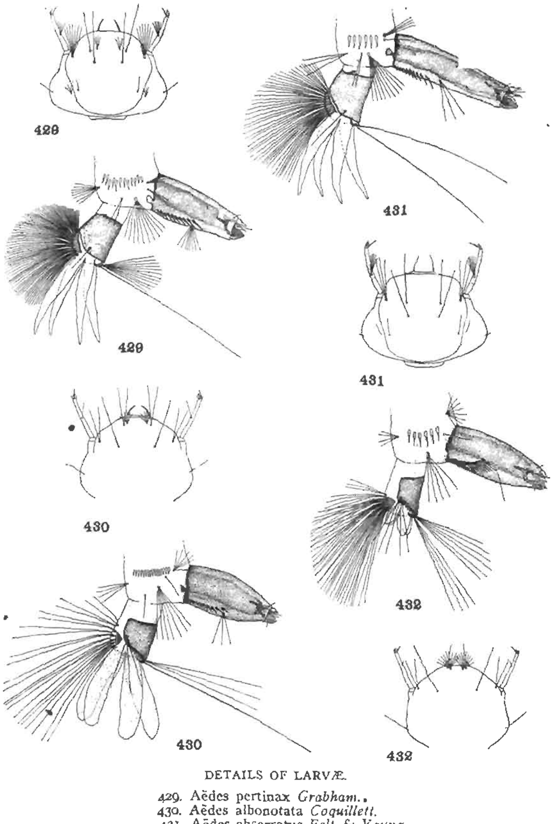
DETAILS OF LARVÆ.

421. Aëdes euplocamus *Dyar & Knab.*
422. Aëdes squamiger *Coquillett.*
423. Aëdes niger *Giles.*
424. Aëdes busckii *Coquillett.*



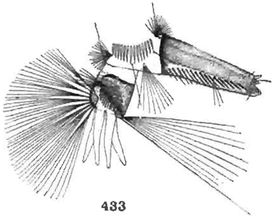
DETAILS OF LARVÆ.

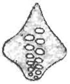
425. Aëdes fulvithorax *Lutz.*
426. Aëdes spencerii *Theobald.*
427. Aëdes auroides *Felt.*
428. Aëdes serratus *Theobald.*



DETAILS OF LARVÆ.

429. Aëdes pertinax *Grabham.*
430. Aëdes albonotata *Coquillett.*
431. Aëdes abserratus *Felt & Young.*
432. Aëdes mediovittata *Coquillett.*





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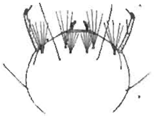

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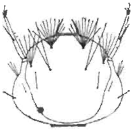

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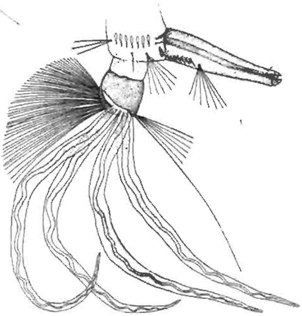

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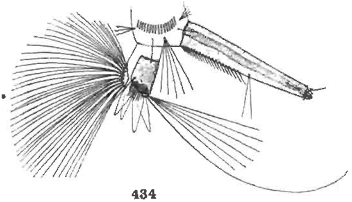

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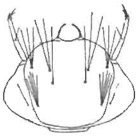
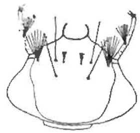


435

DETAILS OF LARVÆ.

433. Aëdes walkeri *Theobald.*
434. Aëdes aureostriata *Grabham.*
435. Aëdes dupreei *Coquillett.*



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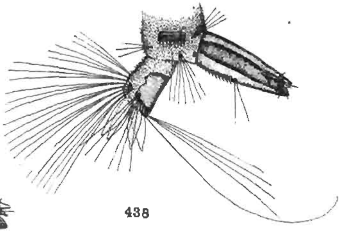

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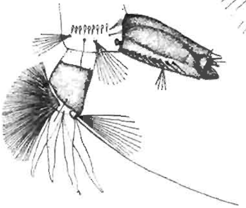

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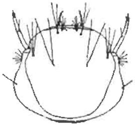

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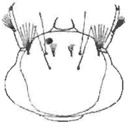

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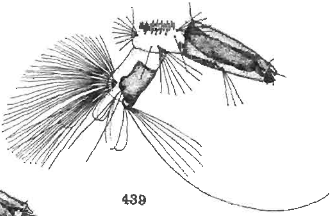

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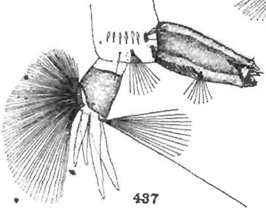

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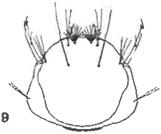
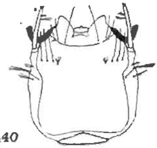


439

DETAILS OF LARVÆ.

436. Aëdes tormentor *Dyar & Knab.*
437. Aëdes atlanticus *Dyar & Knab.*
438. Stegoconops capricornii *Lutz.*
439. Stegoconops albomaculatus *Theobald.*



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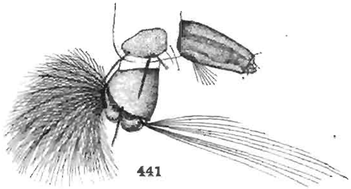

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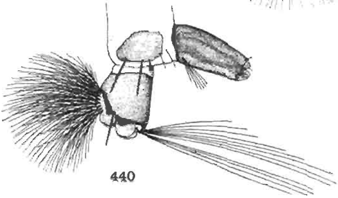

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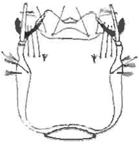

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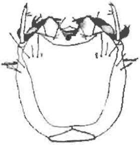

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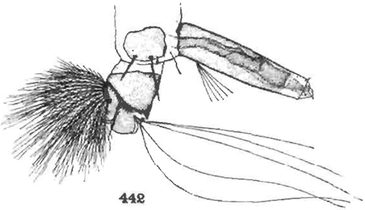

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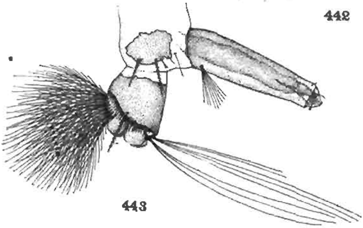

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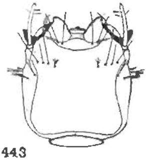
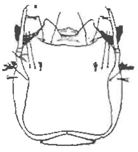


443

DETAILS OF LARVÆ.

440. Megarhinus portoricensis *von Roeder.*
441. Megarhinus trinidadensis *Dyar & Knab.*
442. Megarhinus superbus *Dyar & Knab.*
443. Megarhinus guadeloupensis *Dyar & Knab.*



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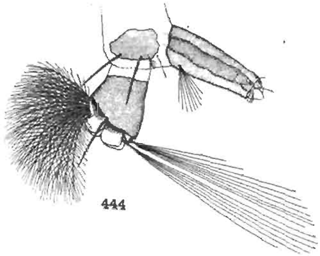

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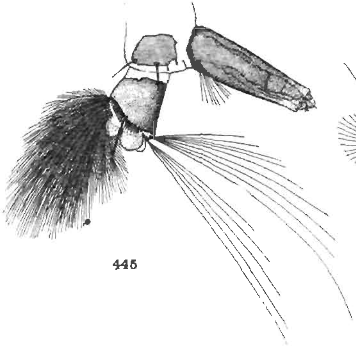

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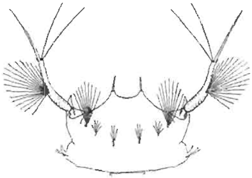

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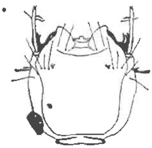

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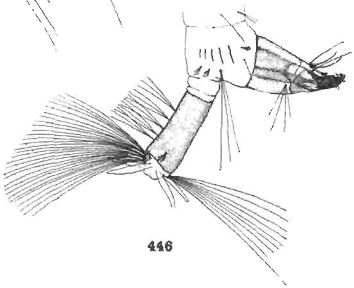
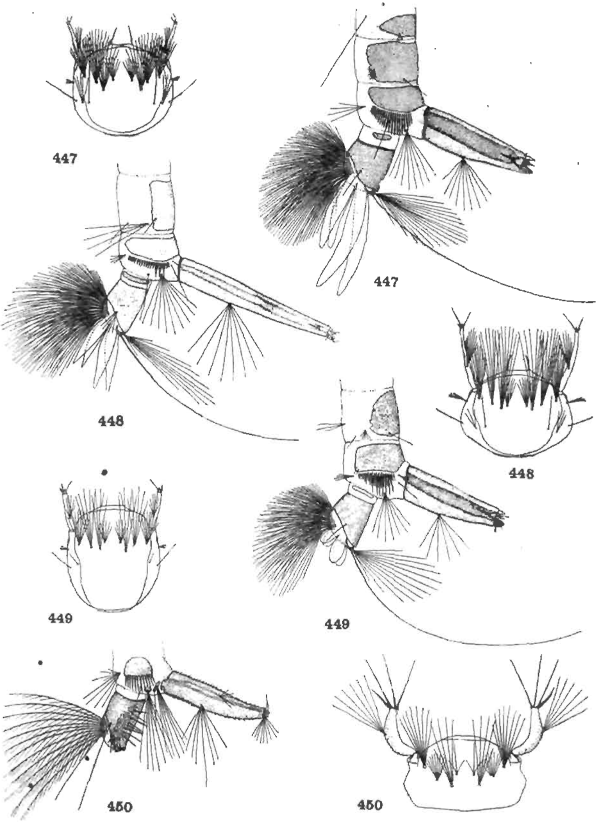


446

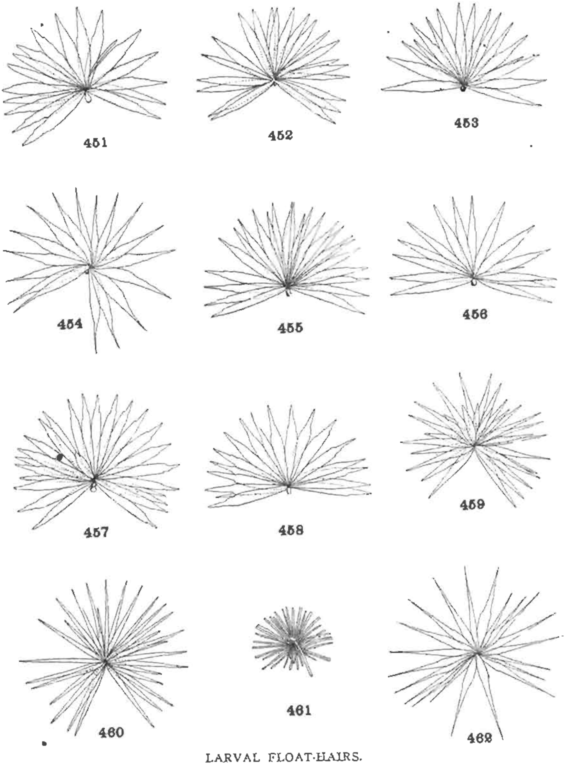
DETAILS OF LARVÆ.

444. Megarhinus moctezuma *Dyar & Knab.*
445. Megarhinus hypoptes *Knab.*
446. Mansonia titillans *Walker.*



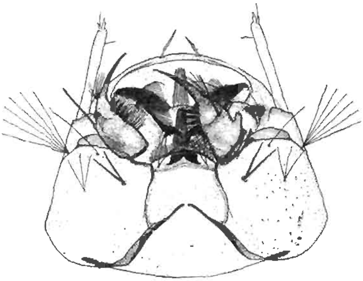
DETAILS OF LARVÆ.

447. Bancroftia fascipes *Coquillett.*
448. Bancroftia phyllozoa *Dyar & Knab.*
449. Bancroftia waverleyi *Grabham.*
450. Aëdeomyia squamipennis *Arribalzaga.*



LARVAL FLOAT-HAIRS.

451. Anopheles punctipennis *Say.*
452. Anopheles crucians *Wiedemann.*
453. Anopheles quadrimaculatus *Say.*
454. Anopheles pseudopunctipennis *Theob.*
455. Anopheles grabhamii *Theobald.*
456. Anopheles strigimacula *Dyar & Knab.*
457. Anopheles eiseni *Coquillett.*
458. Anopheles malefactor *Dyar & Knab.*
459. Anopheles argyritaris *Robineau-Desvoidy.*
460. Anopheles albimanus *Wiedemann* and A. tarsimaculata *Goeldi.*
461. Anopheles neivai *H., D. & K.*
462. Cœlodiazesis barberi *Coquillett.*



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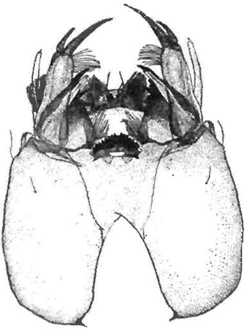
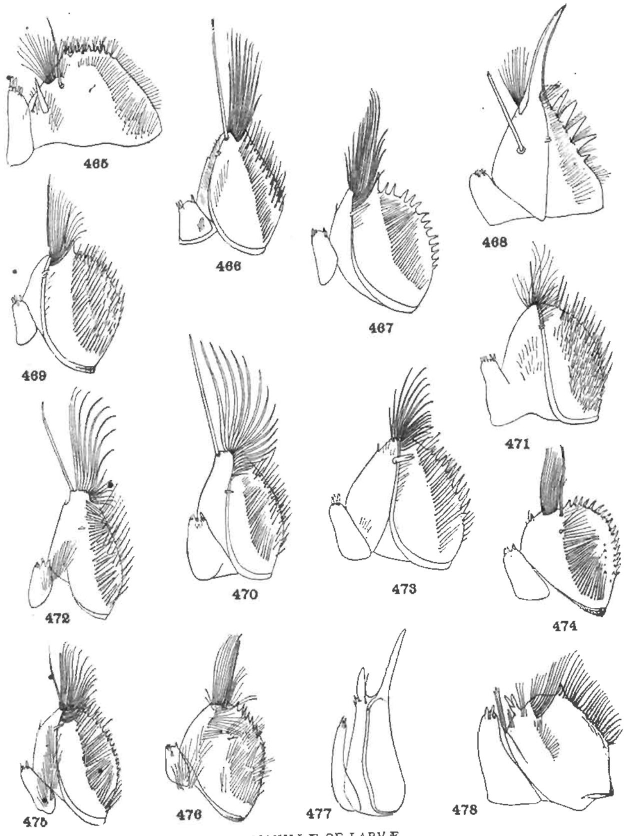


464

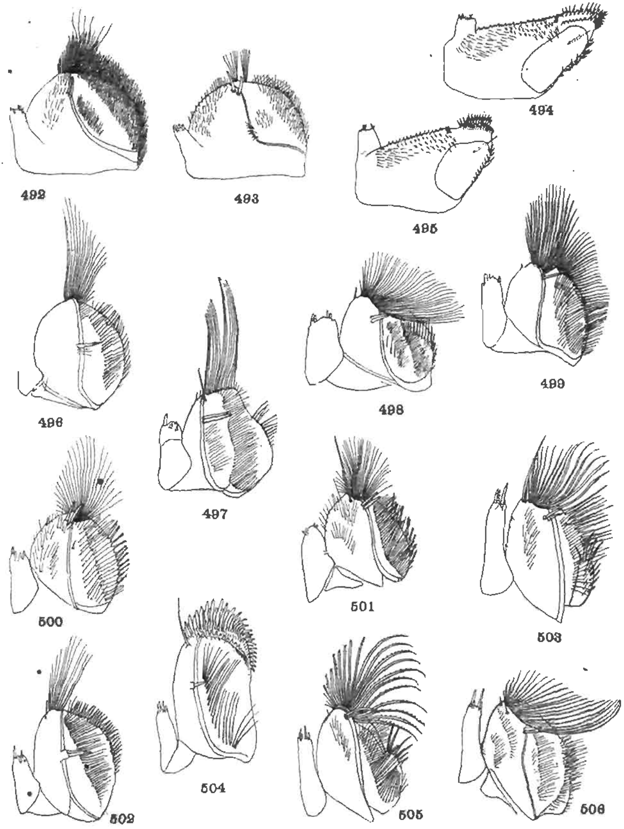
HEAD OF LARVA, VENTRAL VIEW.

463. Sabethinus undosus *Coquillett.*
464. Lesticocampa rapax *Dyar & Knab.*



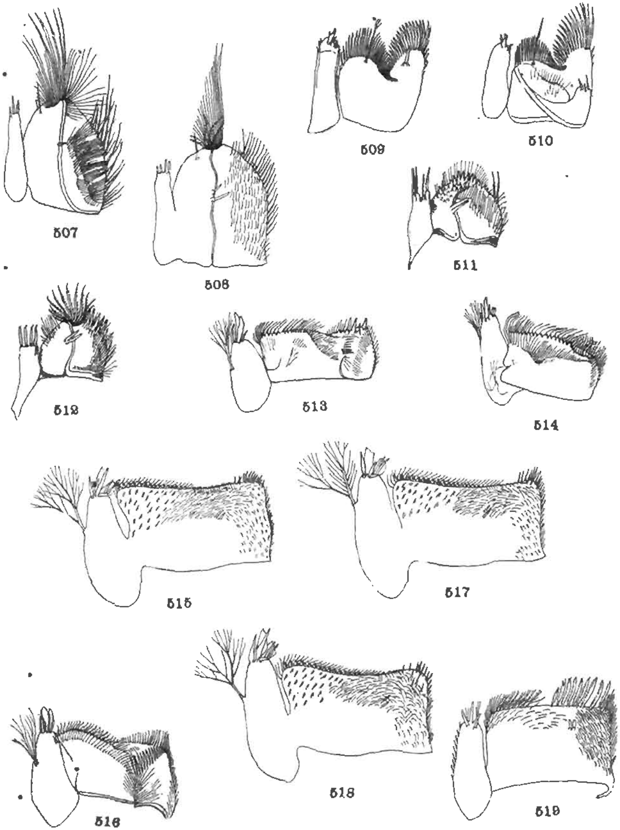
MAXILLÆ OF LARVÆ.

465. Limatus durhamii *Theobald.*
466. Wyeomyia trinidadensis *Theobald.*
467. Wyeomyia aporonoma *Dyar & Knab.*
468. Sabethinus undosus *Coquillett.*
469. Wyeomyia sororcula *Dyar & Knab.*
470. Wyeomyia mitchellii *Theobald.*
471. Wyeomyia smithii *Coquillett.*
472. Wyeomyia autocratica *Dyar & Knab.*
473. Wyeomyia pseudopecten *Dyar & Knab.*
474. Wyeomyia bromeliarum *Dyar & Knab.*
475. Wyeomyia telestica *Dyar & Knab.*
476. Wyeomyia hemisagnosta *Dyar & Knab.*
477. Lesticocampa rapax *Dyar & Knab.*
478. Joblotia digitatus *Rondani.*



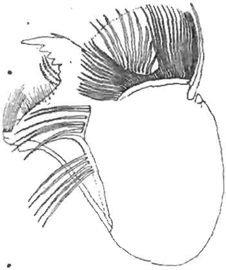
MAXILLÆ OF LARVÆ.

492. Culiseta incidens *Thomson.*
493. Culiseta inornatus *Williston.*
494. Psorophora ciliata *Fabricius.*
495. Psorophora howardii *Coquillett.*
496. Psorophora signipennis *Coquillett.*
497. Aëdes cantator *Coquillett.*
498. Aëdes lazarensis *Felt & Young.*
499. Aëdes trivittatus *Coquillett.*
500. Aëdes euplocamus *Dyar & Knab.*
501. Aëdes atlanticus *Dyar & Knab.*
502. Aëdes podographicus *Dyar & Knab.*
503. Aëdes mediovittata *Coquillett.*
504. Aëdes knabi *Coquillett.*
505. Aëdes albonotata *Coquillett.*
506. Stegoconops lucifer *H., D. & K.*



MAXILLÆ OF LARVÆ.

507. Bancroftia fascipes *Coquillett.*
508. Bancroftia signifer *Coquillett.*
509. Megarhinus septentrionalis *D. & K.*
510. Megarhinus superbus *Dyar & Knab.*
511. Uranotænia geometrica *Theobald.*
512. Uranotænia coatzacoalcos *D. & K.*
513. Anopheles eiseni *Coquillett.*
514. Anopheles grabhamii *Theobald.*
515. Anopheles punctipennis *Say.*
516. Anopheles pseudopunctipennis *Theobald.*
517. Anopheles crucians *Wiedemann.*
518. Anopheles quadrimaculatus *Say.*
519. Cœlodiazesis barberi *Coquillett.*



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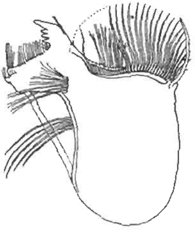

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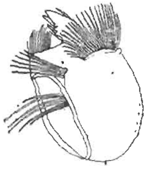

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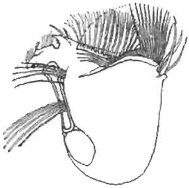

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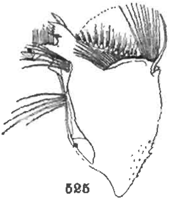
523



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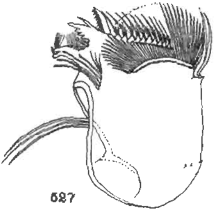
526



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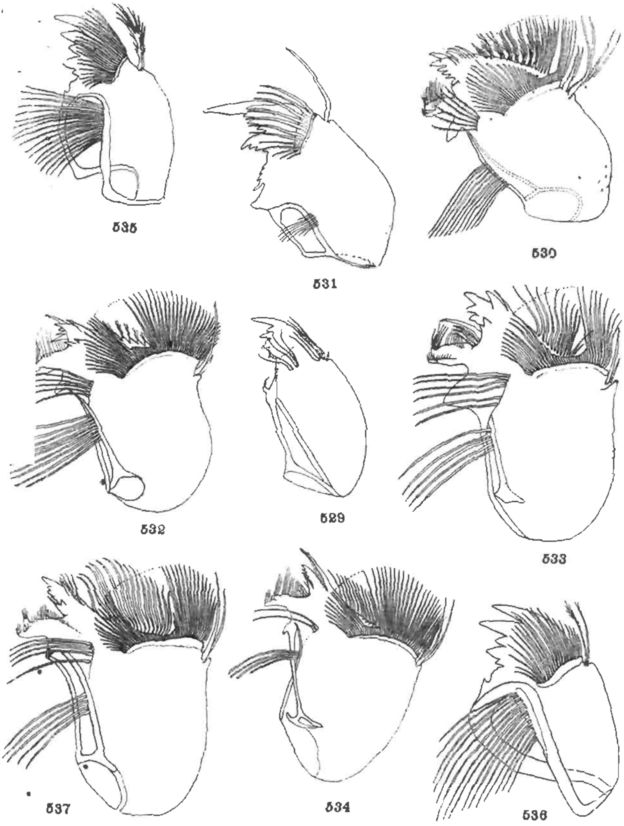
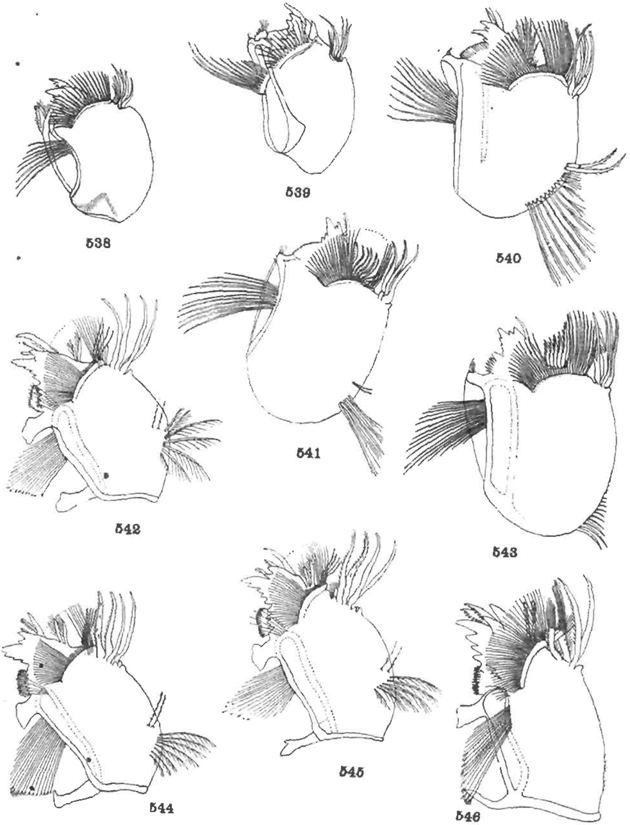
MANDIBLES OF LARVÆ.

520. Sabethinus undosus *Coquillett.*
521. Wyeomyia sororcula *Dyar & Knab.*
522. Lesticocampa rapax *Dyar & Knab.*
523. Joblotia digitatus *Rondani.*
524. Deinocerites cancer *Theobald.*
525. Culex pleuristriatus *Theobald.*
526. Culex rejector *Dyar & Knab.*
527. Culex corniger *Theobald.*
528. Culex divisor *Dyar & Knab.*



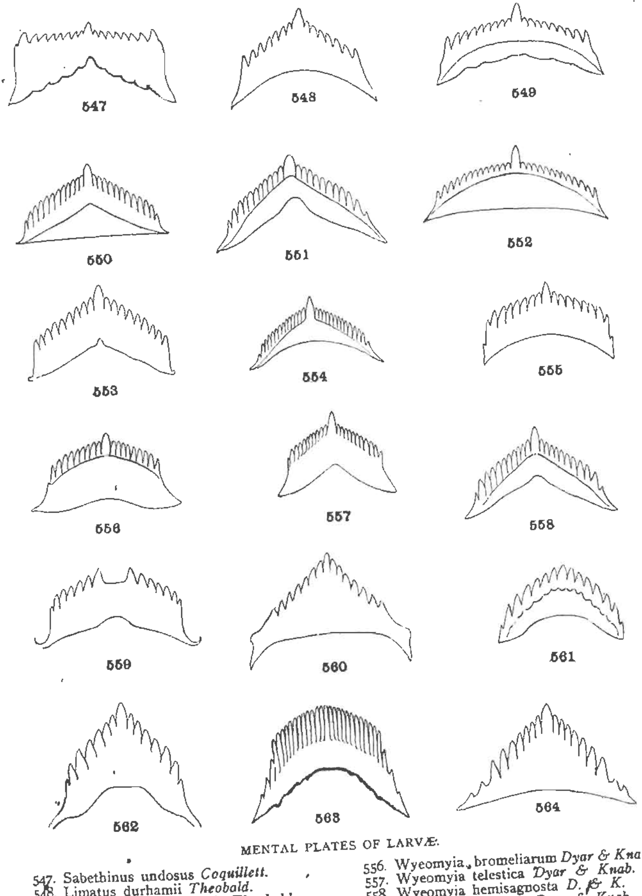
MANDIBLES OF LARVÆ

529. Lutzia bigoti *Bellardi.*
530. Culiseta incidens *Thomson.*
531. Psorophora ciliata *Fabricius.*
532. Psorophora signipennis *Coquillett.*
533. Aëdes cantator *Coquillett.*
534. Bancroftia fascipes *Coquillett.*
535. Megarhinus superbus *Dyar & Knab.*
536. Megarhinus septentrionalis *Dyar & Knab.*
537. Stegoconops lucifer *Howard, Dyar & Knab.*



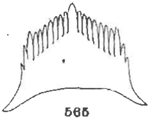
MANDIBLES OF LARVÆ.

538. Uranotænia coatzacoalcos *Dyar & Knab.*
539. Uranotænia geometrica *Theobald.*
540. Anopheles grabhamii *Theobald.*
541. Anopheles eiseni *Coquillett.*
542. Anopheles punctipennis *Say.*
543. Anopheles pseudopunctipennis *Theobald.*
544. Anopheles crucians *Wiedemann.*
545. Anopheles quadrimaculatus *Say.*
546. Cœlodiazesis barberi *Coquillett.*



MENTAL PLATES OF LARVÆ.

547. Sabethinus undosus *Coquillett.*
548. Limatus durhamii *Theobald.*
549. Wyeomyia trinidadensis *Theobald.*
550. Wyeomyia sororcula *Dyar & Knab.*
551. Wyeomyia aporonoma *Dyar & Knab.*
552. Wyeomyia mitchellii *Theobald.*
553. Wyeomyia smithii *Coquillett.*
554. Wyeomyia autocratica *Dyar & Knab.*
555. Wyeomyia pseudopecten *Dyar & Knab.*
556. Wyeomyia bromeliarum *Dyar & Knab.*
557. Wyeomyia telestica *Dyar & Knab.*
558. Wyeomyia hemisagnosta *D. & K.*
559. Lesticocampa rapax *Dyar & Knab.*
560. Joblotia digitatus *Rondani.*
561. Lutzia bigoti *Bellardi.*
562. Culex tarsalis *Coquillett.*
563. Culex corniger *Theobald.*
564. Culex dyari *Coquillet.*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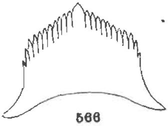
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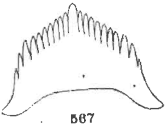
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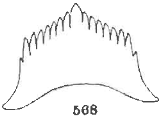
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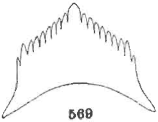
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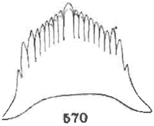
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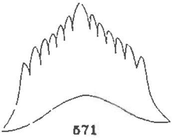
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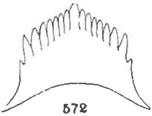
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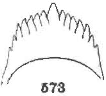
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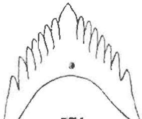
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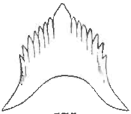
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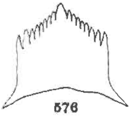
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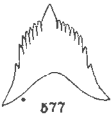
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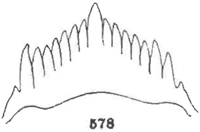
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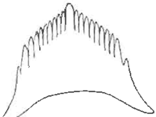
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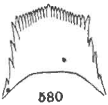
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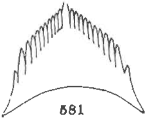
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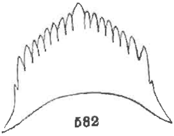
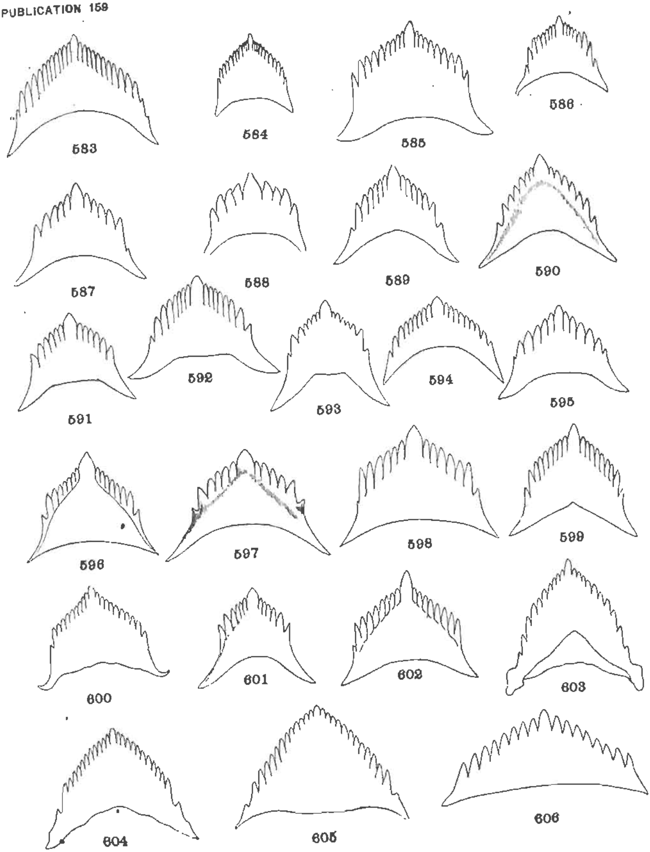

582

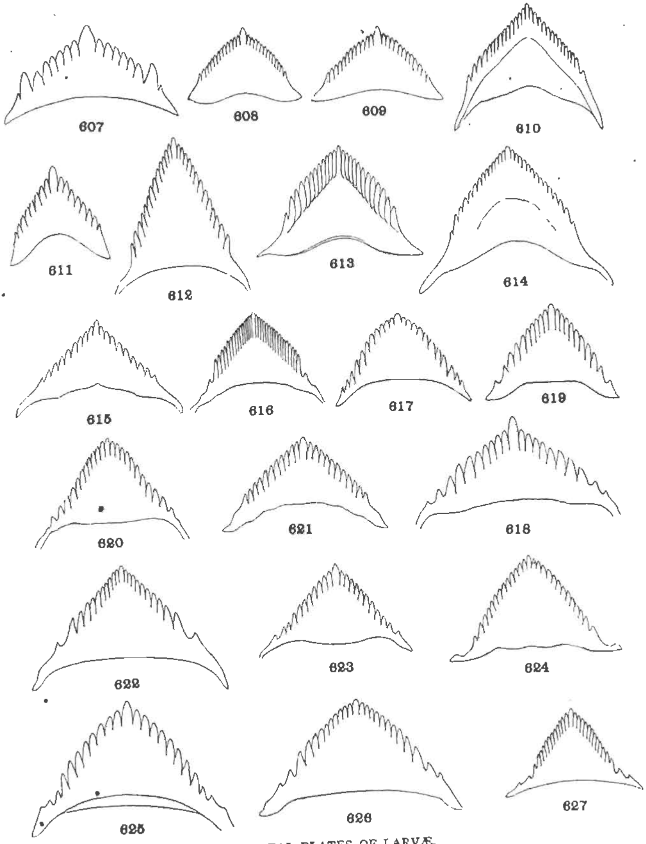
MENTAL PLATES OF LARVÆ.

565. Culex mortificator *Dyar & Knab.*
566. Culex carmodyæ *Dyar & Knab.*
567. Culex habilitator *Dyar & Knab.*
568. Culex declarator *Dyar & Knab.*
569. Culex inquisitor *Dyar & Knab.*
570. Culex proclamator *Dyar & Knab.*
571. Culex coronator *Dyar & Knab.*
572. Culex derivator *Dyar & Knab.*
573. Culex territans *Walker.*
574. Culex bahamensis *Dyar & Knab.*
575. Culex simulator *Dyar & Knab.*
576. Culex bisulcatus *Coquillett.*
577. Culex conservator *Dyar & Knab.*
578. Culex melanurus *Coquillett.*
579. Culex extricator *Dyar & Knab.*
580. Culex restuans *Theobald.*
581. Culex barbarus *Dyar & Knab.*
582. Culex similis *Theobald.*



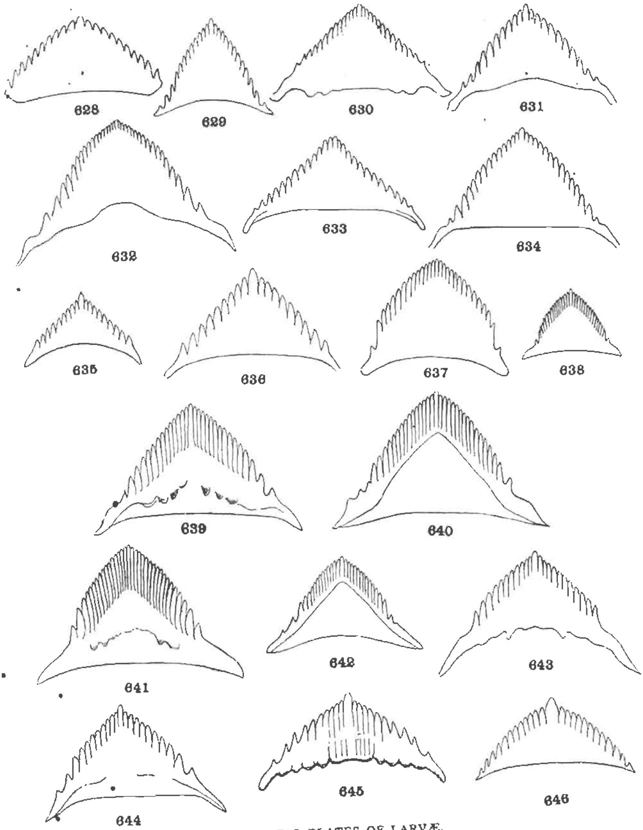
MENTAL PLATES OF LARVÆ.

583. Culex quinquefasciatus *Say.*
584. Culex pipiens *Linnæus.*
585. Culex factor *Dyar & Knab.*
586. Culex salinarius *Coquillett.*
587. Culex investigator *Dyar & Knab.*
588. Culex erraticus *Dyar & Knab.*
589. Culex agitator *Dyar & Knab.*
590. Culex caudelli *Dyar & Knab.*
591. Culex conspirator *Dyar & Knab.*
592. Culex carcinophilus *Dyar & Knab.*
593. Culex elevator *Dyar & Knab.*
[illegible] *Dyar & Knab.*
595. Culex mutator *Dyar & Knab.*
596. Culex restrictor *Dyar & Knab.*
597. Culex decorator *Dyar & Knab.*
598. Culex imitator *Theobald.*
599. Culex rejector *Dyar & Knab.*
600. Culex pleuristriatus *Theobald.*
601. Culex gravitator *Dyar & Knab.*
602. Culex inimitabilis *Dyar & Knab.*
603. Carrollia urichii *Coquillett.*
604. Culiseta incidens *Thomson.*
605. Culiseta inornatus *Williston.*
606. Psorophora ciliata *Fabricius.*



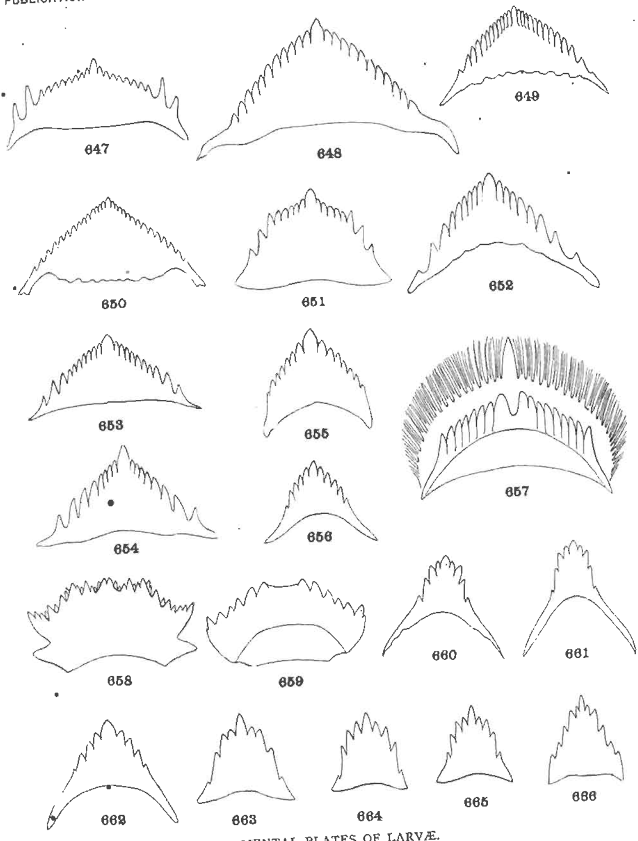
MENTAL PLATES OF LARVÆ.

607. Psorophora howardii *Coquillett.*
608. Psorophora sayi *Dyar & Knab.*
609. Psorophora discrucians *Walker.*
610. Psorophora signipennis *Coquillett.*
611. Psorophora discolor *Coquillett.*
612. Psorophora columbiæ *Dyar & Knab.*
613. Psorophora infine *Dyar & Knab.*
614. Psorophora indoctum *Dyar & Knab.*
615. Psorophora insularius *Dyar & Knab.*
616. Aëdes bimaculatus *Coquillett.*
617. Aëdes curriei *Coquillett.*
618. Aëdes atropalpus *Coquillett.*
619. Aëdes varipalpus *Coquillett.*
620. Aëdes canadensis *Theobald.*
621. Aëdes sollicitans *Walker.*
622. Aëdes mitchellæ *Dyar.*
623. Aëdes tæniorhynchus *Wiedemann.*
624. Aëdes stimulans *Walker.*
625. Aëdes fitchii *Felt & Young.*
626. Aëdes abfitchii *Felt.*
627. Aëdes sylvestris *Theobald.*



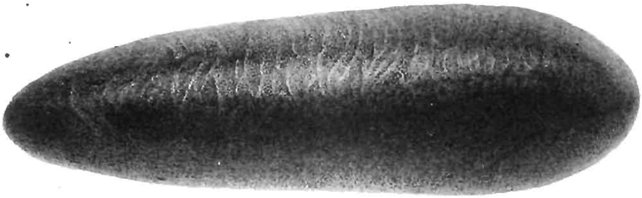
MENTAL PLATES OF LARVÆ.

628. Aëdes cantator *Coquillett.*
629. Aëdes fuscus *Osten Sacken.*
630. Aëdes lazarensis *Felt & Young.*
631. Aëdes pullatus *Coquillett.*
632. Aëdes hirsuteron *Theobald.*
633. Aëdes auroides *Felt.*
634. Aëdes trichurus *Dyar.*
635. Aëdes triseriatus *Say.*
636. Aëdes aurifer *Coquillett.*
637. Aëdes trivittatus *Coquillett.*
638. Aëdes dupreei *Coquillett.*
639. Aëdes euplocamus *Dyar & Knab.*
640. Aëdes serratus *Theobald.*
641. Aëdes atlanticus *Dyar & Knab.*
642. Aëdes bracteatus *Coquillett.*
643. Aëdes podographicus *Dyar & Knab.*
644. Aëdes oswaldi *Lutz.*
645. Aëdes mediovittata *Coquillett.*
646. Aëdes calopus *Meigen.*



MENTAL PLATES OF LARVÆ.

647. Aëdes knabi *Coquillett.*
648. Aëdes walkeri *Theobald.*
649. Aëdes albonotata *Coquillett.*
650. Aëdes busckii *Coquillett.*
651. Stegoconops lucifer *H., D. & K.*
652. Stegoconops equinus *Theobald.*
653. Bancroftia fascipes *Coquillett.*
654. Bancroftia signifer *Coquillett.*
655. Uranotænia geometrica *Theobald.*
656. Uranotænia coatzacoalcos *D. & K.*
657. Megarhinus septentrionalis *D. & K.*
658. The same, second plate.
659. The same, third plate.
660. Anopheles grabhamii *Theobald.*
661. Anopheles eiseni *Coquillett.*
662. Anopheles pseudopunctipennis *Theob.*
663. Anopheles crucians *Wiedemann.*
664. Anopheles punctipennis *Say.*
665. Anopheles quadrimaculatus *Say.*
666. Cœlodiazesis barberi *Coquillett.*



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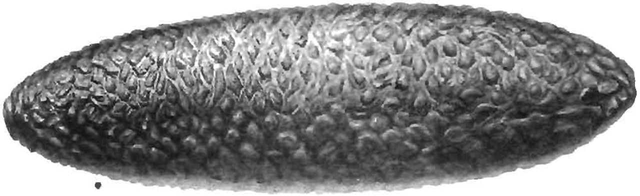

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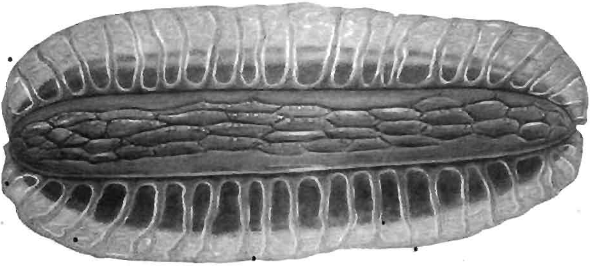
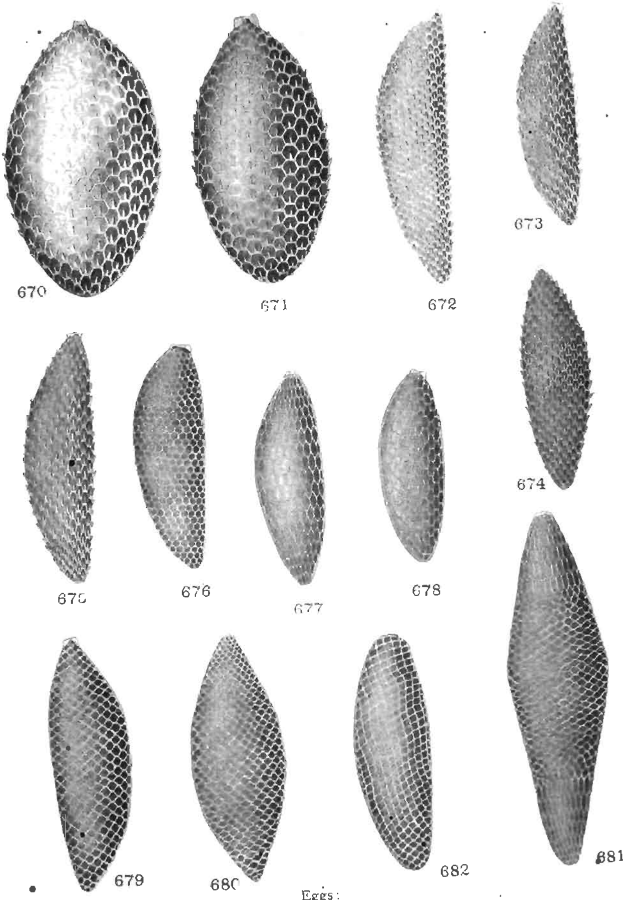


669

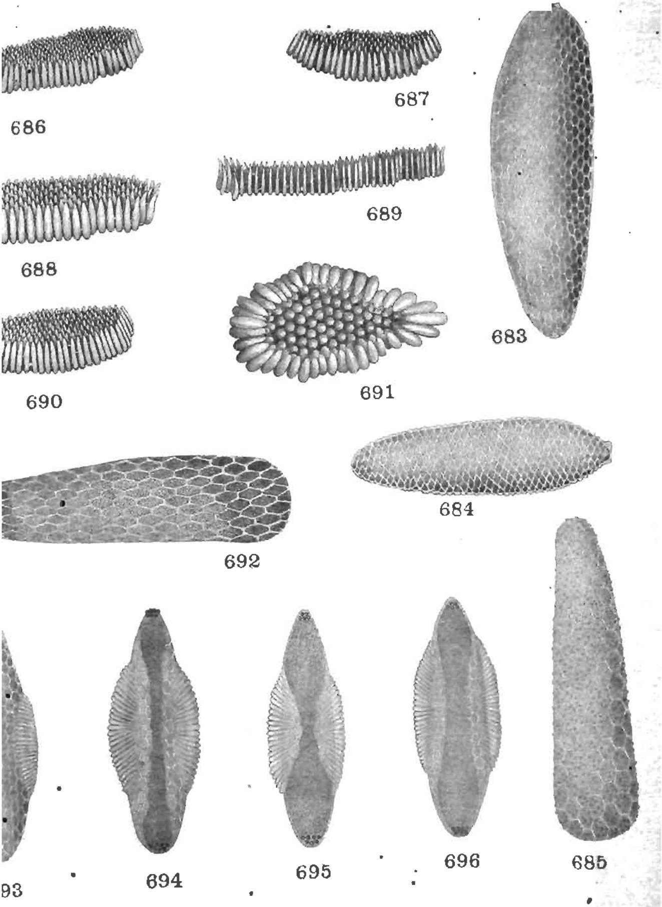
Eggs:

667 Aedes atropalpus *Coquillett.*



Eggs:

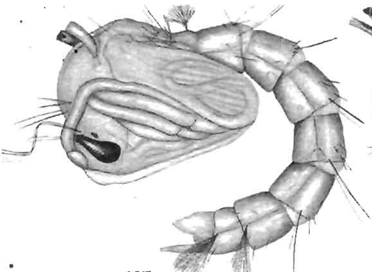
670. Psorophora ciliata *Fabricius.*
671. Psorophora howardii *Coquillett.*
672. Psorophora columbiæ *Dyar & Knab.*
673. Psorophora horridus *Dyar & Knab.*
674. Psorophora discolor *Coquillett.*
676. Aedes triseriatus *Say.*
677. Aedes sylvestris *Theobald.*
678. Aedes tæniorhynchus *Wiedemann.*
679. Aedes sollicitans *Walker.*
680. Aedes infirmatus *Dyar & Knab.*
Dyar & Knab.



Eggs:

Aedes grossbecki *Dyar & Knab.*
Aedes calopus *Meigen.*
Mansonia perturbans *Walker*
Culex pipiens *Linnæus.*
Culex salinarius *Coquillett.*
Culex territans *Walker.*
Culex [illegible] *Dyar & Knab.*

690. Culex restuans *Theobald.*
691. Culiseta inornatus *Williston.*
692. The same, single egg.
693. Anopheles punctipennis *Say,* dorsal view.
694. The same, ventral view.
695. Anopheles quadrimaculatus *Say,* ventral view.
696. Anopheles crucians *Wiedemann,* ventral view.



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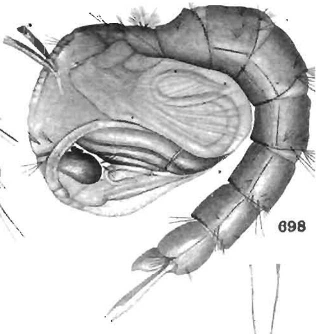

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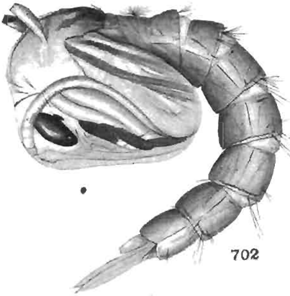

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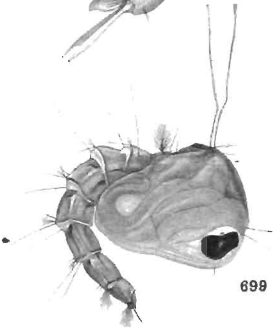

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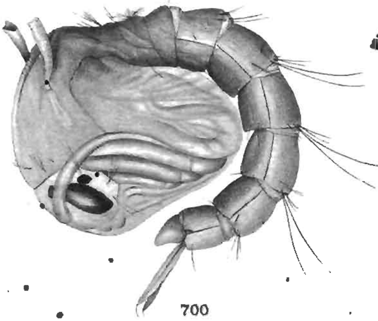

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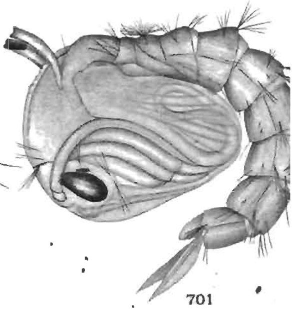
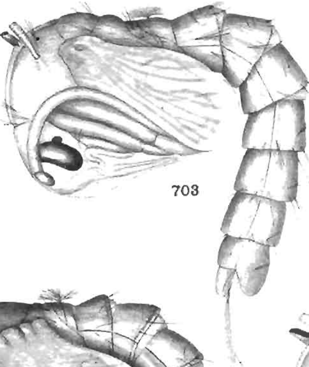


701

Pupæ:

697. Wyeomyia smithii *Coquillett.*
698. Culex territans *Walker.*
699. Wyeomyia circumcincta *Dyar & Knab.*
700. Culex restuans *Theobald.*
701. Culex pipiens *Linnæus.*
702. Aedes sylvestris *Theobald.*



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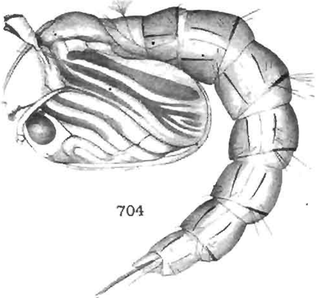

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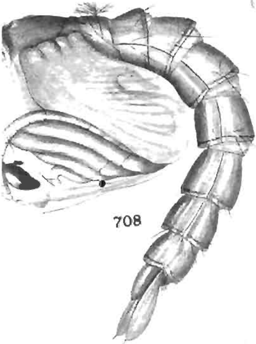

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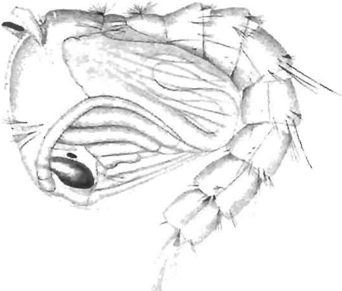

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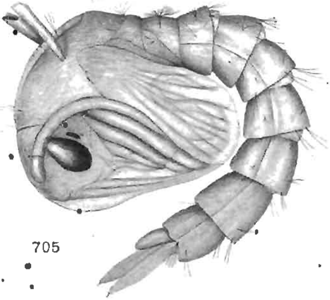

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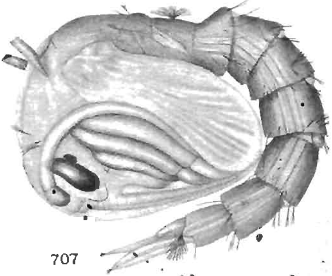
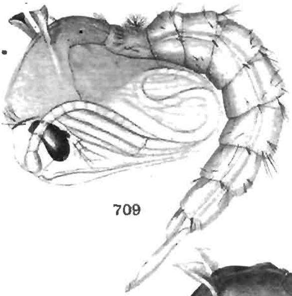


707

Pupæ:

703. Aedes fuscus *Osten Sacken.*
704. Psorophora ciliata *Fabricius.*
705. Psorophora sayi *Dyar & Knab.*
706. Psorophora columbiæ *Dyar & Knab.*
707. Bancroftia signifer *Coquillett.*
708. Aedes triseriatus *Say.*



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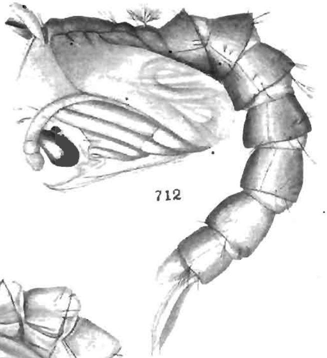

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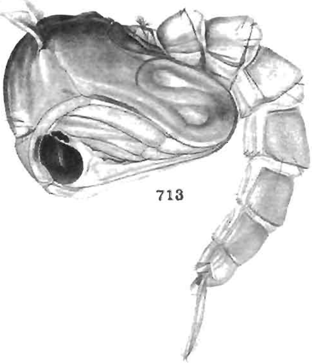

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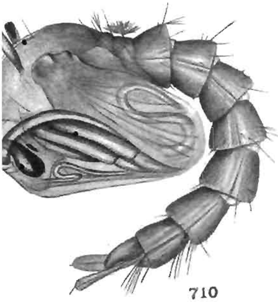

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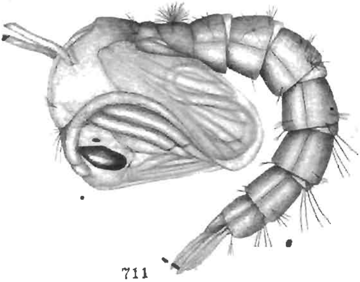

711

Pupæ:

709. Anopheles punctipennis *Say*.
710. Aedes mediovittata *Coquillett*.
711. Uranotænia sapphirinus *Osten Sacken*.
712. Aedes atropalpus *Coquillett*.
713. Aedes calopus *Meigen*.